10/681,222

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     (FILE 'HOME' ENTERED AT 10:03:36 ON 16 JUL 2004)

     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 10:04:01 ON 16 JUL 2004
L1         18587 S METALLOPROTEASE?
L2           343 S HUMAN(3W) L1
L3       6609293 S CLON? OR EXPRESS? OR RECOMBINANT
L4           219 S L2 AND L3
L5       1737703 S LUNG OR AMYGDALA OR ADRENAL(A)GLAND
L6        725325 S HIPPOCAMPUS OR FETUS
L7       2405398 S L5 OR L6
L8            34 S L4 AND L7
L9            21 DUP REM L8 (13 DUPLICATES REMOVED)
L10          117 DUP REM L4 (102 DUPLICATES REMOVED)
                 E WEI M/AU
L11         1114 S E3-E10
                 E YAN C/AU
L12         1023 S E3
                 E DIFRANCESCO V/AU
L13          112 S E3-E4
                 E BEASLEY E M/AU
L14          298 S E3
L15         2480 S L10 OR L11 OR L12 OR L13 OR L14
L16          117 S L4 AND L15
L17      1133713 S ZINC OR "ZN"
L18           24 S L16 AND L17
L19           24 DUP REM L18 (0 DUPLICATES REMOVED)

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 NEWS  3  May 12   EXTEND option available in structure searching
 NEWS  4  May 12   Polymer links for the POLYLINK command completed in REGISTRY
 NEWS  5  May 27   New UPM (Update Code Maximum) field for more efficient patent
                   SDIs in CAplus
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                   and WATER from CSA now available on STN(R)
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               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
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FILE 'HOME' ENTERED AT 10:03:36 ON 16 JUL 2004

=> file medline embase biosis biotechds scisearch hcaplus ntis lifesci
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.21       0.21

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FILE 'EMBASE' ENTERED AT 10:04:01 ON 16 JUL 2004
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FILE 'BIOTECHDS' ENTERED AT 10:04:01 ON 16 JUL 2004
COPYRIGHT (C) 2004 THOMSON DERWENT AND INSTITUTE FOR SCIENTIFIC INFORMATION

FILE 'SCISEARCH' ENTERED AT 10:04:01 ON 16 JUL 2004
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FILE 'LIFESCI' ENTERED AT 10:04:01 ON 16 JUL 2004
COPYRIGHT (C) 2004 Cambridge Scientific Abstracts (CSA)


=> s metalloprotease?
L1       18587 METALLOPROTEASE?

=> s human(3w) l1
L2         343 HUMAN(3W) L1

=> s clon? or express? re recombinant
<------User Break------>

SEARCH ENDED BY USER
SEARCH ENDED BY USER

=> s clon? or express? or recombinant
   5 FILES SEARCHED...
L3     6609293 CLON? OR EXPRESS? OR RECOMBINANT

=> s l2 and l3
L4         219 L2 AND L3

=> s lung or amygdala or adrenal(a)gland
L5     1737703 LUNG OR AMYGDALA OR ADRENAL(A) GLAND

=> s hippocampus or fetus
L6      725325 HIPPOCAMPUS OR FETUS

=> s l5 or l6
L7     2405398 L5 OR L6

=> s l4 and l7
L8          34 L4 AND L7

=> dup rem l8
PROCESSING COMPLETED FOR L8
L9           21 DUP REM L8 (13 DUPLICATES REMOVED)

=> d 1-21 ibib ab

L9   ANSWER 1 OF 21  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:        2003:454944  HCAPLUS
DOCUMENT NUMBER:         139:32520
TITLE:                   Polynucleotide encoding matrix metalloprotease MMP-29
                         highly expressed in the human testis
INVENTOR(S):             Wu, Shujian; Chen, Jian; Feder, John N.; Lee, Liana;
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Krystek, Stanley R.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 206 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003109021	A1	20030612	US 2002-133797	20020426

PRIORITY APPLN. INFO.: US 2001-286764P P 20010426

AB The present invention provides novel polynucleotides encoding **human** matrix **metalloprotease** 29 (MMP-29) polypeptides, fragments and homologs thereof. Three-dimensional representations are provided for the propeptide domain, catalytic domain, and hemopexin-like domain. Transcripts corresponding to MMP-29 are **expressed** highly in the spinal cord, and to a lesser extent in liver, thymus, brain, kidney, spleen, **lung**, small intestine, and bone marrow. Also provided are vectors, host cells, antibodies, and **recombinant** and synthetic methods for producing said polypeptides. The invention further relates to diagnostic and therapeutic methods for applying these novel MMP-29 polypeptides to the diagnosis, treatment, and/or prevention of various diseases and/or disorders related to these polypeptides. The invention further relates to screening methods for identifying agonists and antagonists of the polynucleotides and polypeptides of the present invention.

L9 ANSWER 2 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:29491 HCAPLUS
DOCUMENT NUMBER: 138:84584
TITLE: Novel human cDNA encoding a disintegrin and metalloprotease (ADAM) family protein
INVENTOR(S): Yoshinaka, Takeshi; Nishiwaki, Eiji; Ishiguro, Keiji
PATENT ASSIGNEE(S): Japan Organo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003009870	A2	20030114	JP 2001-175037	20010611

PRIORITY APPLN. INFO.: JP 2001-175037 20010611

AB A novel human protein belonging to the disintegrin and metalloprotease (ADAM) family, and encoding cDNA, are disclosed. The authors isolated a cDNA encoding a novel member of the ADAM family from human testis plasmid library, based on the tBLASTn search of nr database using the Xenopus ADAM13 disintegrin domain. Strong **expression** in **lung**, vein, placenta, and spleen, was observed

L9 ANSWER 3 OF 21 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2003128742 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12514189
TITLE: Characterization of ADAMTS-9 and ADAMTS-20 as a distinct ADAMTS subfamily related to Caenorhabditis elegans GON-1.
AUTHOR: Somerville Robert P T; Longpre Jean-Michel; Jungers Katherine A; Engle J Michael; Ross Monique; Evanko Stephen; Wight Thomas N; Leduc Richard; Apte Suneel S
CORPORATE SOURCE: Department of Biomedical Engineering, Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, Ohio

44195, USA.
CONTRACT NUMBER: AR47074 (NIAMS)
HL18645 (NHLBI)
SOURCE: Journal of biological chemistry, (2003 Mar 14) 278 (11) 9503-13.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF488803; GENBANK-AF488804
ENTRY MONTH: 200305
ENTRY DATE: Entered STN: 20030320
Last Updated on STN: 20030515
Entered Medline: 20030514

AB We demonstrate that in **humans**, two **metalloproteases**, ADAMTS-9 (1935 amino acids) and ADAMTS-20 (1911 amino acids) are orthologs of GON-1, an ADAMTS protease required for gonadal morphogenesis in Caenorhabditis elegans. ADAMTS-9 and ADAMTS-20 have an identical modular structure, are distinct in possessing 15 TSRs and a unique C-terminal domain, and have a similar gene structure, suggesting that they comprise a new subfamily of human ADAMTS proteases. ADAMTS20 is very sparingly **expressed**, although it is detectable in epithelial cells of the breast and **lung**. However, ADAMTS9 is highly **expressed** in embryonic and adult tissues, and therefore we characterized the ADAMTS-9 protein further. Although the ADAMTS-9 zymogen has many proprotein convertase processing sites, pulse-chase analysis, site-directed mutagenesis, and amino acid sequencing demonstrated that maturation to the active form occurs by selective proprotein convertase (e.g. furin) cleavage of the Arg(287)-Phe(288) bond. Although lacking a transmembrane sequence, ADAMTS-9 is retained near the cell surface as well as in the ECM of transiently transfected COS-1 and 293 cells. COS-1 cells transfected with ADAMTS9 (but not vector-transfected cells) proteolytically cleaved bovine versican and aggrecan core proteins at the Glu(441)-Ala(442) bond of versican V1 and the Glu(1771)-Ala(1772) bond of aggrecan, respectively. In contrast, the ADAMTS-9 catalytic domain alone was neither localized to the cell surface nor able to confer these proteolytic activities on cells, demonstrating that the ancillary domains of ADAMTS-9, including the TSRs, are required both for specific extracellular localization and for its versicanase and aggrecanase activities.

L9 ANSWER 4 OF 21 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-18766 BIOTECHDS
TITLE: New isolated matrix metalloprotease and modulating substances, useful for treating CNS diseases, respiratory diseases, inflammatory respiratory diseases, cancers and endometrial carcinomas;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in cancer therapy
AUTHOR: DELANY N S; EDBROOKE M R
PATENT ASSIGNEE: GLAXO GROUP LTD
PATENT INFO: GB 2369363 29 May 2002
APPLICATION INFO: GB 2000-19929 17 Aug 2000
PRIORITY INFO: GB 2000-20345 17 Aug 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-511267 [55]

AB DERWENT ABSTRACT:
NOVELTY - An isolated **human** matrix **metalloprotease** polypeptide (P1) referred to as HIPHUM35 in the disclosure, is new.
DETAILED DESCRIPTION - An isolated **human** **metalloprotease** polypeptide (P1) referred to as HIPHUM35 in the

disclosure comprising: (i) a fully defined sequence (S2) of 569 amino acids; (ii) a variant comprising a catalytic domain capable of binding a zinc residue; (iii) a fragment of (i) or (ii) which comprises a catalytic domain capable of binding a zinc residue, is new. INDEPENDENT CLAIMS are also included for the following: (1) a polynucleotide encoding P1; (2) a polynucleotide encoding a matrix metalloprotease polypeptide which comprises a catalytic domain capable of binding a zinc residue where the polynucleotide comprises: (a) a fully defined sequence (S1) comprising 1707 nucleotides as given in the specification and/or a complementary sequence; (b) a sequence which hybridizes under stringent conditions to a sequence as defined in (a); and (c) a sequence that is degenerate as a result of the genetic code to a sequence as defined in (a) or (b), or d) a sequence having at least 65% identity to a sequence as defined in (a), (b) or (c); (3) an **expression** vector comprising a polynucleotide of claims (1) or (2); (4) a host cell comprising an **expression** vector of claim (3); (5) an antibody specific for a polypeptide (P1); (6) identification (M1) of a substance that modulates matrix metalloprotease activity and/or **expression**, comprising: (a) contacting a test substance and P1, a polynucleotide of (2), and **expression** vector of (3) or a host cell of (4); and (b) determining the effect of the test substance on the activity and/or **expression** of the polypeptide or the polypeptide encoded by the polynucleotide, to determine whether the test substance modulates matrix metalloprotease activity and/or **expression**; (7) a substance which modulates matrix metalloprotease activity and which is identifiable by M1; and (8) producing (M2) P1 by maintaining a host cell of (4) under conditions suitable for obtaining **expression** of the polypeptide and then isolating the polypeptide.

BIOTECHNOLOGY - Preferred Polypeptide: The variant has at least 80% identity to S2. Preferred polynucleotide: The polynucleotide is a cDNA sequence. Preferred Method: In M1, the polypeptide is in a substantially isolated form.

ACTIVITY - Respiratory active; Antiinflammatory; Neuroprotective; Cytostatic.

MECHANISM OF ACTION - Modulator of matrix metalloprotease. No supporting data is given in the source material.

USE - A substance which modulates matrix metalloprotease activity and which is identifiable by method (M1) can be used to treat a subject having a disorder that is responsive to matrix metalloprotease modulation. This method of treatment comprises administering an effective amount of the substance (claimed). The disorders which can be treated include central nervous system (CNS) diseases such a parasupranuclear palsy (PSP), respiratory diseases such a chronic obstructive pulmonary disease (COPD), inflammatory respiratory diseases such as fibrotic diseases of the **lung** and cancers such as **lung**, colon, breast and endometrial carcinomas (DEC). The substance which modulates matrix metalloprotease activity can also be used in the manufacture of a medicine for treatment or prophylaxis of the above disorders.

ADMINISTRATION - The substances that modulate activity of the polypeptide (P1) can be administered by enteral or parenteral routes such as via oral, buccal, anal, pulmonary, intravenous, intra-arterial, intramuscular, intraperitoneal or topical routes. Typical dosage is from about 0.1 to 50 mg per kg body weight.

EXAMPLE - A matrix metalloprotease, designated as HIPHUM35 was identified and the nucleotide and amino acid sequences of the receptor were determined. Suitable primers and probes were designed and used to analyze tissue **expression**. HIPHUM35 was found to be **expressed** in adipose tissue, cerebellum, jejunum, **lung**, myometrium, omentum, prostate, small intestine and testis. **Expression** was upregulated in parasupranuclear palsy (PSP) brain, in chronic obstructive pulmonary disease (COPD) **lung**, vascular endothelial growth factor (VEGF) treated endothelial cells and peripheral blood mononuclear cells (PBMCs). **Expression** was downregulated in colon tumor, breast tumor and **lung** carcinoma. Original

screens on normal and disease Taqman plates revealed significant profiles to link HIPHUM 35 with diseases including central nervous system (CNS) diseases such a parasupranuclear palsy (PSP), respiratory diseases such a chronic obstructive pulmonary disease (COPD), inflammatory respiratory diseases such as fibrotic diseases of the **lung** and cancers such as **lung**, colon, breast. HIPHUM 35 was found to be localized to chromosome 10q25-q26. This locus has been associated with the occurrence of cancers. (36 pages)

L9 ANSWER 5 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:504915 HCAPLUS
DOCUMENT NUMBER: 137:59512
TITLE: **Human metalloprotease** member of the ADAMTS family and its cDNA sequence and diagnostic and therapeutic uses
INVENTOR(S): Bandaru, Rajasehkar; Curtis, Rory A. J.; Spurling, Heidi Lynn
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051995	A1	20020704	WO 2001-US47167	20011113
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002119555	A1	20020829	US 2001-14070	20011113

PRIORITY APPLN. INFO.: US 2000-258373P P 20001222
AB The invention provides isolated nucleic acids mols., designated 53014 nucleic acid mols., which encode a novel **human metalloprotease** member of the reprolysin (M12B) or ADAMTS (a disintegrin and metalloproteinase with thrombospondin motifs) family. ADAMTS 53014 is **expressed** at high levels in brain cortex, spinal cord, hypothalamus, colon adenocarcinoma, **lung** tumor, ovary tumor, primary osteoblasts, erythroid cells, and the K562 erythroid cell line. The invention also provides antisense nucleic acid mols., **recombinant expression** vectors containing 53014 nucleic acid mols., host cells into which the **expression** vectors have been introduced, and nonhuman transgenic animals in which a 53014 gene has been introduced or disrupted. The invention still further provides isolated 53014 proteins, fusion proteins, antigenic peptides, and anti-53014 antibodies. Diagnostic and therapeutic methods utilizing compns. of the invention are also provided.
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 6 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:276132 HCAPLUS
DOCUMENT NUMBER: 136:306020
TITLE: Protein and cDNA sequences of novel **human** zinc **metalloprotease** sequence homologs
INVENTOR(S): Walke, D. Wade; Scoville, John
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA

SOURCE: PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002029026	A2	20020411	WO 2001-US30806	20011002
WO 2002029026	A3	20030116		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002011347	A5	20020415	AU 2002-11347	20011002
US 2002102683	A1	20020801	US 2001-969515	20011002
EP 1328623	A2	20030723	EP 2001-979376	20011002

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

PRIORITY APPLN. INFO.: US 2000-237540P P 20001004
WO 2001-US30806 W 20011002

AB The invention provides protein and cDNA sequences of five novel human proteins, which share structural similarity with animal proteases and particularly zinc metalloproteases. The cDNA sequences and corresponding deduced amino acid sequences of the zinc metalloprotease sequence homologs were obtained from human cDNA libraries using probes and/or primers generated from human genomic sequence. The gene encoding the described zinc metalloprotease sequence homologs is apparently present on human chromosome 5. The zinc metalloprotease sequence homolog genes are **expressed** in, inter alia, human cell lines, and human fetal brain, brain, pituitary, kidney, fetal liver, liver, prostate, testis, thyroid, **adrenal gland**,salivary gland, stomach, small intestine, colon, skeletalmuscle, heart, placenta, mammary gland, adipose, esophagus,trachea, cervix, rectum, pericardium, hypothalamus, ovary,fetal kidney, and fetal **lung** cells. Accordingly, the described are useful for identifyingthe corresponding coding region(s) of the human genome and for biol. identifying exon splice junctions. Several polymorphisms were identified including a G/C polymorphism in zinc metalloprotease sequence homolog genes.

L9 ANSWER 7 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:157954 HCAPLUS
DOCUMENT NUMBER: 136:211922
TITLE: Protein and cDNA sequences of **human** zinc **metalloprotease** sequence homologs and uses thereof in diagnosis, therapy and drug screening
INVENTOR(S): Walke, Wade D.; Hilbun, Erin; Scoville, John; Friddle, Carl Johan; Hu, Yi; Turner, Alexander C., Jr.
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2002016564 A2 20020228 WO 2001-US26148 20010822
WO 2002016564 A3 20020725
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
AU 2001088339 A5 20020304 AU 2001-88339 20010822
US 2002115838 A1 20020822 US 2001-938330 20010822
EP 1311690 A2 20030521 EP 2001-968061 20010822
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRIORITY APPLN. INFO.: US 2000-227104P P 20000822
US 2000-233796P P 20000919
WO 2001-US26148 W 20010822

AB This invention provides protein and cDNA sequences for newly identified human proteins, designated NHPs, which shares substantial sequence homol. with animal proteases, and particularly zinc metalloproteases. While NHP shares sequence homol. with other zinc metalloproteases, its primary sequence is unique. **Expression** of NHPs can be detected in, inter alia, human cell lines, and human spinal cord, lymph node, bone marrow, trachea, mammary gland, skeletal muscle, pericardium, adipose, esophagus, bladder, fetal kidney, and fetal **lung** cells (SEQ ID NOS:1-23), and the NHP sequences identified in SEQ ID NOS: 24-26 may be predominantly **expressed** in heart, fetal kidney and fetal **lung**. In one embodiment, the invention relates to diagnostic assays for detecting diseases associated with inappropriate NHP activity or levels. Also disclosed are methods for utilizing NHP in drug screening assays and in therapy directed against diseases associated with inappropriate NHP activity or levels.

L9 ANSWER 8 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:736800 HCAPLUS
DOCUMENT NUMBER: 137:258650
TITLE: Protein, gene and cDNA sequences of a novel human protease related to ATP-dependent metalloprotease and their uses in drug screening
INVENTOR(S): Gan, Weiniu; Ye, Jane; Di Francesco, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 85 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002137180	A1	20020926	US 2001-816093	20010326
US 6518055	B2	20030211		
WO 2002077167	A2	20021003	WO 2002-US8291	20020319
WO 2002077167	A3	20030227		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1379678 A2 20040114 EP 2002-726656 20020319

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2003054489 A1 20030320 US 2002-274873 20021022

PRIORITY APPLN. INFO.: US 2001-816093 A 20010326

WO 2002-US8291 W 20020319

AB The invention provides protein, cDNA and genomic sequences for a novel **human** ATP-dependent **metalloprotease**. The ATP-dependent metalloprotease gene is **expressed** in human T cell leukemia, teratocarcinoma, prostate adenocarcinoma, **adrenal gland** -cortex carcinoma cell line, placenta, liver, adenocarcinoma, retinoblastoma, pooled human monocyte, fetal heart and pregnant uterus, and whole liver. Seventy nine single nucleotide polymorphism, including 10 indels, has been found on ATP-dependent metalloprotease gene mapped to chromosome 10. The invention also relates to screening modulator of ATP-dependent metalloprotease and use them in therapy. The invention further relates to methods, vector and hosts for **expression** of ATP-dependent metalloprotease.

L9 ANSWER 9 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2002:466628 HCAPLUS

DOCUMENT NUMBER: 137:29825

TITLE: **Cloning**, characterization, **expression** and therapeutic use of a novel **human** matrix **metalloprotease**

INVENTOR(S): Delany, Natalie Samantha; Edbrooke, Mark Robert

PATENT ASSIGNEE(S): UK

SOURCE: U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002076800	A1	20020620	US 2001-931147	20010816
GB 2369363	A1	20020529	GB 2001-19929	20010815

PRIORITY APPLN. INFO.: GB 2000-20345 A 20000817

AB A novel matrix metalloprotease, referred to herein as HIPHUM35, is now provided. HIPHUM35 is shown to be primarily **expressed** in adipose tissue, cerebellum, jejunum, **lung**, myometrium, omentum, prostate, small intestine and testis. **Expression** is upregulated in parasupranuclear palsy (PSP) brain, in chronic obstructive pulmonary disease (COPD) **lung**, VEGF treated endothelial cells and peripheral blood mononuclear cells (PBMCs). **Expression** is downregulated in colon tumor, breast tumor and **lung** carcinoma. The novel matrix metalloprotease is a screening target for the identification and development of novel pharmaceutical agents, including modulators of matrix metalloprotease activity. These agents may be used in the treatment and/or prophylaxis of CNS diseases such as parasupranuclear palsy (PSP), respiratory diseases such as chronic obstructive pulmonary disease (COPD), inflammatory respiratory diseases such as fibrotic diseases of the **lung** and cancers such as **lung**, colon, breast and endometrial carcinomas (DEC). The nucleotide sequence and the encoded amino acid sequences of the human HIPHUM35 are disclosed. The HIPHUM35 variant which comprises a catalytic domain capable of binding a zinc residue or the HIPHUM35 fragment which comprises a catalytic domain capable of binding a zinc residue are also provided.

L9 ANSWER 10 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:889164 HCAPLUS
DOCUMENT NUMBER: 137:381695
TITLE: Protein, gene and cDNA sequences of a novel **human** zinc **metalloprotease** and their uses in drug screening
INVENTOR(S): Wei, Ming-Hui; Yan, Chunhua; Di Francesco, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): Applera Corporation, USA
SOURCE: U.S., 49 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6482629	B1	20021119	US 2001-819989	20010329
WO 2003033725	A2	20030424	WO 2002-US9547	20020328
WO 2003033725	A3	20030814		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1383908	A2	20040128	EP 2002-801617	20020328
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003129700	A1	20030710	US 2002-273992	20021021
US 6664093	B2	20031216		

PRIORITY APPLN. INFO.: US 2001-819989 A 20010329
WO 2002-US9547 W 20020328

AB The invention provides protein, cDNA and genomic sequences for a novel **human** zinc **metalloprotease**. Specifically, a virtual northern blot shows zinc metalloprotease gene **expression** in **lung**, **amygdala**, **adrenal gland**, **hippocampus**, and **fetus**. Four single nucleotide polymorphisms have been found on zinc metalloprotease gene that has been mapped to human chromosome 3. The invention also relates to screening for zinc metalloprotease modulators and their uses in therapy. The invention further relates to methods, vector and hosts for **expression** of zinc metalloprotease .

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 11 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:703743 HCAPLUS
DOCUMENT NUMBER: 135:269299
TITLE: **Cloning**, **expression** and sequence of **human metalloprotease**
INVENTOR(S): Merkulov, Gennady V.; Ye, Jane; Di Francesc, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): Applera Corporation, USA
SOURCE: U.S., 57 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6294368	B1	20010925	US 2001-813819	20010322
US 6344352	B1	20020205	US 2001-920048	20010802
WO 2002077241	A2	20021003	WO 2001-US29745	20010924
WO 2002077241	A3	20030130		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

EP 1373521	A2	20040102	EP 2001-975312	20010924

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2002137183	A1	20020926	US 2001-14501	20011214

PRIORITY APPLN. INFO.: US 2001-813819 A3 20010322
US 2001-920048 A3 20010802
WO 2001-US29745 W 20010924

AB The present invention provides amino acid sequences of peptides that are encoded by genes within the human genome, the protease peptides of the present invention. Genomic and cDNA sequences and encoded amino acid sequence of a human metalloproteinase are disclosed and SNPs were identified. Exptl. data indicate **expression** in the placenta, **lung**, ovary, colon, kidney, thyroid gland and leukocyte. The present invention specifically provides isolated peptide and nucleic acid mols., methods of identifying orthologs and paralogs of the protease peptides, and methods of identifying modulators of the protease peptides.

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 12 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:814071 HCAPLUS
DOCUMENT NUMBER: 135:354702
TITLE: **Cloning**, sequence and diagnostic and therapeutic use of **human metalloprotease** ADAMTS-M
INVENTOR(S): Buckbinder, Leonard; Mitchell, Peter G.; Wachtmann, Timothy S.; Walsh, Roderick T.
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1152055	A1	20011107	EP 2001-303706	20010424

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

US 2001049106	A1	20011206	US 2001-836712	20010417

PRIORITY APPLN. INFO.: US 2000-200040P P 20000427

AB The present invention relates to a member of the family of proteins known as ADAMTS proteins, the new member being designated ADAMTS-M. The authors have found the polynucleotide encoding the metalloprotease ADAMTS-M in cDNA prepared from the chondrocytes of osteoarthritic cartilage as well as in cDNA libraries from human liver. Amino acid and encoding cDNA sequences of human ADAMTS-M are disclosed. The ADAMTS-M sequence was

found to contain a furin-cleavage site, metalloproteinase domain with zinc-binding motif, disintegrin domain, and two thrombospondin submotifs. The invention also relates to polynucleotides encoding ADAMTS-M, antibodies to ADAMTS-M, assays for studying the function of ADAMTS-M, assays for determining agonists or antagonists of ADAMTS-M, and to the use of ADAMTS-M polypeptides or polynucleotides in diagnostic, biotherapeutic, or gene therapy methods.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L9 ANSWER 13 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:709783 HCAPLUS
DOCUMENT NUMBER: 135:269300
TITLE: **Cloning**, sequence, **expression** and therapeutic use of **human metalloprotease** ADAMTS-SI
INVENTOR(S): Buckbinder, Leonard; Mitchell, Peter Geoffrey; Schaefer, Jean Frances; Walsh, Roderick Thomas
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: Eur. Pat. Appl., 44 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1136547	A2	20010926	EP 2001-302634	20010321
EP 1136547	A3	20020925		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001327297	A2	20011127	JP 2001-83195	20010322
US 2002090373	A1	20020711	US 2001-972467	20011005

PRIORITY APPLN. INFO.: US 2000-191382P P 20000322
US 2001-808208 A1 20010314

AB The present invention relates to a member of the family of proteins known as ADAMTS proteins, the new member being designated ADAMTS-SI. ADAMTS proteins exhibit characteristics of the ADAM (A Disintegrin And Metalloprotease) family of metalloproteases, and in addition contain a thrombospondin domain. **Cloning**, cDNA and encoded amino acid sequences of human ADAMTS-SI are reported. The authors have found relatively high levels of polynucleotide encoding ADAMTS-SI in a cDNA library prepared from osteoarthritic cartilage, and lower levels in cDNA libraries derived from human **lung** and brain. The **expression** of ADAMTS-SI in osteoarthritic cartilage, and its modulation by proinflammatory agents, are consistent with its role in the pathol. of arthritic disease. The invention also relates to polynucleotides encoding ADAMTS-SI, antibodies to ADAMTS-SI, assays for studying the function of ADAMTS-SI, assays for determining agonists or antagonists of ADAMTS-SI, and to the use of ADAMTS-SI polypeptides or polynucleotides in diagnostic, biotherapeutic, or gene therapy methods.

L9 ANSWER 14 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:573944 HCAPLUS
DOCUMENT NUMBER: 133:174003
TITLE: New metalloproteases of the neprilysin family identified by PCR **cloning** using primers derived from zincin consensus sequences
INVENTOR(S): Desgroseillers, Luc; Boileau, Guy
PATENT ASSIGNEE(S): Universite de Montreal, Can.
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047750	A2	20000817	WO 2000-CA147	20000211
WO 2000047750	A3	20001130		

W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

CA 2260376	AA	20000811	CA 1999-2260376	19990211
EP 1151114	A2	20011107	EP 2000-904758	20000211

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2002536021	T2	20021029	JP 2000-598646	20000211

PRIORITY APPLN. INFO.: CA 1999-2260376 A 19990211
WO 2000-CA147 W 20000211

AB In this paper, we describe RT-PCR strategies that allowed us to identify and **clone** members of the NEP-like family. Degenerate oligonucleotide primers corresponding to consensus sequences located on either side of the HEXXH consensus sequence for zincins were designed and used in RT-PCR with mouse and human testis cDNAs. DNA fragments with lengths expected from the sequence of this class of enzymes were obtained. These DNA fragments were **cloned** and sequenced. Using this PCR strategy and the PCR fragments as probes to screen cDNA libraries, three zincin-like peptidases were identified in addition of known members of the family. The cDNA sequences allowed to derive specific probes for Northern and in situ hybridization, and probe human chromosomes to localize the gene and establish potential links to genetic diseases. Furthermore, these cDNA sequences were used to produce **recombinant** fusion proteins in Escherichia coli in order to raise specific antibodies. Finally, the cDNA sequences were **cloned** in mammalian **expression** vectors and transfected in various mammalian cell lines to produce active **recombinant** enzymes suitable for testing specific inhibitors.

L9 ANSWER 15 OF 21 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN

ACCESSION NUMBER: 2000400474 EMBASE
TITLE: The specific **expression** of three novel splice variant forms of **human metalloprotease** -like disintegrin-like cysteine-rich protein 2 gene in brain tissues and gliomas.
AUTHOR: Harada T.; Nishie A.; Torigoe K.; Ikezaki K.; Shono T.; Maehara Y.; Kuwano M.; Wada M.
CORPORATE SOURCE: M. Wada, Department of Biochemistry, Graduate School of Medical Sciences, Kyushu University, 3-1-1 Maidashi, Higashi-ku, Fukuoka 812-8582, Japan. wada@biochem1.med.kyushu-u.ac.jp
SOURCE: Japanese Journal of Cancer Research, (2000) 91/10 (1001-1006).
Refs: 21
ISSN: 0910-5050 CODEN: JJCREP
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 008 Neurology and Neurosurgery
016 Cancer

022 Human Genetics
029 Clinical Biochemistry
LANGUAGE: English
SUMMARY LANGUAGE: English
AB We have previously identified 67 exons on a yeast artificial chromosome contig spanning 1.5 Mb around the multidrug resistance 1 gene region of human chromosome 7q21.1. In this study, we identified three novel cytoplasmic variants (MDC2-γ, MDC2-δ, and MDC2-ε) of the **human metalloprotease**-like disintegrin-like cysteine-rich protein 2 (MDC2) among these exons by screening a human brain cDNA library and also by using a reverse transcription polymerase chain reaction. Genomic sequence analysis strongly supported the idea that the variations in the cytoplasmic domain were generated by alternative splicing. The **expression** of MDC2 variant forms in human brain tissue and gliomas was examined by reverse transcription polymerase chain reaction and RNase protection assay. MDC2-ε was **expressed** only in the cortical and hippocampal regions in human brain, but not in gliomas. In contrast, MDC2-γ was a major form **expressed** in human gliomas. Specific **expression** of these cytoplasmic variants of MDC2 in human brain and its malignancies is discussed.

L9 ANSWER 16 OF 21 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 1999287583 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10360838
TITLE: **Cloning**, **expression**, and characterization of **human metalloprotease** 1: a novel member of the pitrilysin family of metalloendoproteases.
AUTHOR: Mzhavia N; Berman Y L; Qian Y; Yan L; Devi L A
CORPORATE SOURCE: Department of Pharmacology, New York University School of Medicine, NY 10016, USA.
CONTRACT NUMBER: DK 51271 (NIDDK)
NS 01788 (NINDS)
NS 26880 (NINDS)
+
SOURCE: DNA and cell biology, (1999 May) 18 (5) 369-80.
Journal code: 9004522. ISSN: 1044-5498.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF061243
ENTRY MONTH: 199907
ENTRY DATE: Entered STN: 19990714
Last Updated on STN: 20000303
Entered Medline: 19990701
AB A novel cDNA, designated human metalloendoprotease 1 (hMP1), was identified on the basis of homology to known metalloendoproteases of the pitrilysin family. The full-length MP1 codes for a protein with an open reading frame of 1038 amino acids. The N-terminal region contains the HXXEH(X)76E catalytic domain that is conserved in the members of pitrilysin family, namely insulin-degrading enzyme and NRD convertase. The hMP1 mRNA is **expressed** in a number of cell lines and tissues as a single species of about 3.4 kb. The **expression** of hMP1 mRNA is higher in muscle and heart than in brain, pancreas, liver, **lung**, and placenta. The full-length hMP1 was **expressed** in the baculovirus system and purified to homogeneity using isoelectrofocusing and ion-exchange chromatography. The enzyme exhibited a neutral pH optimum and high sensitivity to thiol reagents. HMP1 was inactivated by 1,10-phenanthroline, a specific inhibitor of Zn(+2)-dependent metalloproteases. The enzyme was not inhibited by agents that inhibit neutral metalloendoproteases of the thermolysin family such as thimet endo-oligopeptidase, enkephalinase, or angiotensin-converting enzyme. HMP1 cleaved a prodynorphin-derived peptide, leumorphin,

N-terminal to Arg in the monobasic processing site, as evidenced by MALDI-TOF mass spectrometry. However, the enzyme did not exhibit strict monobasic cleavage specificity, as peptide substrates with amino acid substitutions around the monobasic site was cleaved efficiently by hMP1. Taken together, these results suggest that hMP1 is a novel member of the metalloendoprotease superfamily with ubiquitous distribution that could play a broad role in general cellular regulation.

L9 ANSWER 17 OF 21 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN DUPLICATE 3

ACCESSION NUMBER: 1998223236 EMBASE
TITLE: **Human metalloprotease**-disintegrin Kuzbanian regulates sympathoadrenal cell fate in development and neoplasia.
AUTHOR: Yavari R.; Adida C.; Bray-Ward P.; Brines M.; Xu T.
CORPORATE SOURCE: T. Xu, Howard Hughes Medical Institute, Department of Genetics, Yale School of Medicine, 295 Congress Avenue, New Haven, CT 06536-0812, United States. tian.xu@yale.edu
SOURCE: Human Molecular Genetics, (1998) 7/7 (1161-1167).
Refs: 26
ISSN: 0964-6906 CODEN: HMGEE5
COUNTRY: United Kingdom
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 008 Neurology and Neurosurgery
021 Developmental Biology and Teratology
022 Human Genetics
LANGUAGE: English
SUMMARY LANGUAGE: English

AB The development of the sympathetic nervous system involves cell-cell interactions that regulate the fate and migration of progenitor neural cells. Recent evidence shows that focal membrane-bound protease activity is critical for such interactions. The Drosophila kuzbanian (kuz) gene is required in neurogenesis and encodes a highly conserved, membrane-bound metalloprotease-disintegrin closley related to the TNF-α converting enzyme (TACE). We have characterized the human and mouse kuz homologs and mapped human kuz to chromosome 15q22. During mouse embryonic development Kuz is **expressed** mainly in the sympathoadrenal and olfactory neural precursors. Once sympathoadrenal cells differentiate into chromaffin cells in the adult adrenal medulla, they no longer **express** Kuz. However, we found that tumors of sympathoadrenal origin, such as pheochromocytomas and neuroblastomas, overexpress Kuz. Further, transfection of a kuz construct lacking the protease domain, but not the full-length construct, induces neurite formation in PC12 chromaffin tumor cells. Taken together our results suggest a critical role for Kuz in regulation of sympathoadrenal cell fate.

L9 ANSWER 18 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1996:240807 HCAPLUS
DOCUMENT NUMBER: 124:285983
TITLE: Monoclonal antibodies against the **human metalloprotease** EC 3.4.24.15 label neurofibrillary tangles in Alzheimer's disease brain
AUTHOR(S): Conn, Kelly J.; Pietropaolo, Michael; Ju, Shyr-Te; Abraham, Carmela R.
CORPORATE SOURCE: Arthritis Center, University School of Medicine, Boston, MA, USA
SOURCE: Journal of Neurochemistry (1996), 66(5), 2011-18'
CODEN: JONRA9; ISSN: 0022-3042
PUBLISHER: Lippincott-Raven
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Alzheimer's disease is characterized neuropathol. by the presence of neuritic and amyloid plaques, vascular amyloid, and neurofibrillary tangles in specific brain areas. The main constituent of amyloid deposits

is amyloid β protein, a 40-42 amino acid proteolytic product of the amyloid β-precursor protein. In the authors' search for proteases that can generate the N-terminus of amyloid β protein (β-secretases), the authors discovered a thiol-dependent metalloprotease that was identified, by peptide sequencing, as metalloendopeptidase EC 3.4.24.15. In vitro, the metalloprotease cleaves the methionine-aspartic acid bond in a 10 amino acid synthetic peptide, indicating that it could generate the N-terminus of amyloid β protein, and generates amyloidogenic fragments from full-length **recombinant** amyloid β-precursor protein. Mouse monoclonal antibodies produced against a unique synthetic peptide from the metalloprotease labeled various monkey tissues as detected by Western blots and immunohistochem. Unexpectedly, two monoclonal antibodies, IVD6 and IIIF3, immunolabeled strongly intracellular neurofibrillary tangles, neurites of senile plaques, and neuropil threads, but not "ghost" tangles of amyloid in sections taken from Alzheimer's disease brain. This finding provides further evidence for the metalloprotease's relevance to Alzheimer's disease pathol., although the connection between tangle staining and the formation of amyloid β protein remains to be elucidated.

L9 ANSWER 19 OF 21 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:269401 HCAPLUS
DOCUMENT NUMBER: 122:100239
TITLE: Molecular characterization of human and bovine endothelin converting enzyme (ECE-1)
AUTHOR(S): Schmidt, Martin; Kroeger, Burkhard; Jacob, Elard; Seulberger, Harald; Subkowski, Thomas; Otter, Rainer; Meyer, Thomas; Schmalzing, Guenther; Hillen, Heinz
CORPORATE SOURCE: Department of Pharmaceutical Research, BASF Aktiengesellschaft, Ludwigshafen, D-67056, Germany
SOURCE: FEBS Letters (1994), 356(2,3), 238-43
CODEN: FEBLAL; ISSN: 0014-5793
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
AB A membrane-bound protease activity that specifically converts Big endothelin-1 has been purified from bovine endothelial cells (FBHE). The enzyme was cleaved with trypsin and the peptide sequencing anal. confirmed it to be a zinc chelating metalloprotease containing the typical HEXXH (HELTH) motif. RT-PCR and cDNA screens were employed to isolate the complete cDNAs of the bovine and human enzymes. This **human metalloprotease** was **expressed** heterologously in cell culture and oocytes. The catalytic activity of the **recombinant** enzyme is the same as that determined for the natural enzyme. The data suggest that the characterized enzyme represents the functional human endothelin converting enzyme ECE-1.

L9 ANSWER 20 OF 21 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED. on STN
ACCESSION NUMBER: 93309139 EMBASE
DOCUMENT NUMBER: 1993309139
TITLE: CD13 (human aminopeptidase N) mediates human cytomegalovirus infection.
AUTHOR: Soderberg C.; Giugni T.D.; Zaia J.A.; Larsson S.; Wahlberg J.M.; Moller E.
CORPORATE SOURCE: Division of Pediatrics, City of Hope National Medical Center,Duarte, CA 91010-0269, United States
SOURCE: Journal of Virology, (1993) 67/11 (6576-6585).
ISSN: 0022-538X CODEN: JOVIAM
COUNTRY: United States
DOCUMENT TYPE: Journal; Article
FILE SEGMENT: 004 Microbiology
005 General Pathology and Pathological Anatomy

LANGUAGE: English
SUMMARY LANGUAGE: English
AB Human cytomegalovirus (HCMV) infects cells by a series of processes including attachment, penetration via fusion of the envelope with the plasma membrane, and transport of the viral DNA to the nucleus. The details of the early events of HCMV infection are poorly understood. We have recently reported that CD13, **human** aminopeptidase N, a **metalloprotease**, is present on blood cells susceptible in vitro to HCMV infection (C. Soderberg, S. Larsson, S. Bergstedt-Lindqvist, and E. Moller, J. Virol. 67:3166-3175, 1993). Here we report that human CD13 is involved in HCMV infection. Antibodies directed against human CD13 not only inhibit infection but also block binding of HCMV virions to susceptible cells. Compounds known to inhibit aminopeptidase activity block HCMV infection. HCMV-resistant murine fibroblasts have heightened susceptibility to HCMV infection after transfection with complementary DNA encoding human CD13. A significant increase in binding of HCMV was observed in the CD13-**expressing** transfectants compared with neomycin-resistant control mouse cells. However, murine fibroblasts transfected with mutant CD13, lacking a portion of the aminopeptidase active site, remained susceptible to HCMV infection. Thus, human CD13 appears to mediate HCMV infection by a process that increases binding, but its enzymatic domain is not necessary for infection.

L9 ANSWER 21 OF 21 MEDLINE on STN DUPLICATE 4
ACCESSION NUMBER: 88016164 MEDLINE
DOCUMENT NUMBER: PubMed ID: 3477804
TITLE: Human skin fibroblast stromelysin: structure, glycosylation, substrate specificity, and differential **expression** in normal and tumorigenic cells.
AUTHOR: Wilhelm S M; Collier I E; Kronberger A; Eisen A Z; Marmer B L; Grant G A; Bauer E A; Goldberg G I
CORPORATE SOURCE: Department of Medicine, Washington University School of Medicine, St. Louis, MO 63110.
CONTRACT NUMBER: AM12129 (NIADDK)
AR19537 (NIAMS)
TO-AM07284 (NIADDK)
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1987 Oct) 84 (19) 6725-9. Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 198711
ENTRY DATE: Entered STN: 19900305
Last Updated on STN: 20000303
Entered Medline: 19871104
AB We have purified and determined the complete primary structure of **human** stromelysin, a secreted **metalloprotease** with a wide range of substrate specificities. Human stromelysin is synthesized in a preproenzyme form with a calculated size of 53,977 Da and a 17-amino acid long signal peptide. Prostromelysin is secreted in two forms, with apparent molecular masses on NaDodSO4/PAGE of 60 and 57 kDa. The minor 60-kDa polypeptide is a glycosylated form of the major 57-kDa protein containing N-linked complex oligosaccharides. Zymogen activation by trypsin results in the removal of 84 amino acids from the amino terminus of the enzyme generating a 45-kDa active enzyme species. Human stromelysin is capable of degrading proteoglycan, fibronectin, laminin, and type IV collagen but not interstitial type I collagen. The enzyme is not capable of activating purified human fibroblast procollagenase. Analysis of its primary structure shows that stromelysin is in all likelihood the human analog of rat transin, which is an oncogene transformation-induced protease. The pattern of enzyme **expression** in normal and tumorigenic cells revealed that human skin fibroblasts in

vitro secrete stromelysin constitutively (1-2 micrograms per 10(6) cells per 24 hr). Human fetal **lung** fibroblasts transformed with simian virus 40, human bronchial epithelial cells transformed with the ras oncogene, fibrosarcoma cells (HT-1080), and a melanoma cell strain (A 2058), do not **express** this protease nor can the enzyme be induced in these cells by treatment with phorbol 12-myristate 13-acetate. Our data indicate that the **expression** and the possible involvement of secreted metalloproteases in tumorigenesis result from a specific interaction between the transforming factor and the target cell, which may vary in different species.

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=> d his

     (FILE 'HOME' ENTERED AT 10:03:36 ON 16 JUL 2004)

     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 10:04:01 ON 16 JUL 2004
L1         18587 S METALLOPROTEASE?
L2           343 S HUMAN(3W) L1
L3       6609293 S CLON? OR EXPRESS? OR RECOMBINANT
L4           219 S L2 AND L3
L5       1737703 S LUNG OR AMYGDALA OR ADRENAL(A)GLAND
L6        725325 S HIPPOCAMPUS OR FETUS
L7       2405398 S L5 OR L6
L8            34 S L4 AND L7
L9            21 DUP REM L8 (13 DUPLICATES REMOVED)

=> dup rem l4
PROCESSING COMPLETED FOR L4
L10          117 DUP REM L4 (102 DUPLICATES REMOVED)

=> d 1-117 ibib

L10  ANSWER 1 OF 117  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:        2004:392309  HCAPLUS
DOCUMENT NUMBER:         140:412284
TITLE:                   Oligonucleotides for modulating metalloprotease ADAM9
                         expression and therapeutic and diagnostic use
                         for Alzheimer's disease
INVENTOR(S):             Bennett, C. Frank; Dean, Nicholas M.; Dobie, Kenneth
                         W.
PATENT ASSIGNEE(S):      Isis Pharmaceuticals Inc., USA
SOURCE:                  U.S. Pat. Appl. Publ., 39 pp.
                         CODEN: USXXCO
DOCUMENT TYPE:           Patent
LANGUAGE:                English
FAMILY ACC. NUM. COUNT:  1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
     US 2004092466      A1   20040513       US 2002-293866   20021111
PRIORITY APPLN. INFO.:                   US 2002-293866      20021111

L10   ANSWER 2 OF 117  BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-14896  BIOTECHDS
TITLE:            New isolated human metalloprotease
                  polypeptide for identifying a compound that can modulate the
                  polypeptide and that can be used for treating cancer;
                     human recombinant protein production, its
                     encoding gene and antisense useful for cancer gene therapy
AUTHOR:           BANDARU R
PATENT ASSIGNEE:  MILLENNIUM PHARM INC
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PATENT INFO: WO 2003027308 3 Apr 2003
APPLICATION INFO: WO 2002-US30054 23 Sep 2002
PRIORITY INFO: US 2001-961656 24 Sep 2001; US 2001-961656 24 Sep 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-354656 [33]

L10 ANSWER 3 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-21873 BIOTECHDS
TITLE: New **human metalloprotease**, 65649, polypeptides and polynucleotides, useful for modulating e.g. tumor cell invasion or metastasis, tissue or organ integrity, wound healing, endometrial cycling, hair follicle cycling, or ovulation;
involving vector-mediated gene transfer and **expression** in host cell for use in gene therapy, mapping, forensics and drug screening
AUTHOR: CURTIS R A J
PATENT ASSIGNEE: MILLENNIUM PHARM INC
PATENT INFO: US 2003022212 30 Jan 2003
APPLICATION INFO: US 2002-167555 12 Jun 2002
PRIORITY INFO: US 2002-167555 12 Jun 2002; US 2001-297938 13 Jun 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-584995 [55]

L10 ANSWER 4 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:511528 HCAPLUS
DOCUMENT NUMBER: 139:83444
TITLE: Identification of **human** cellular protein kinases, **metalloproteases** and phosphatases as targets for medical intervention against hepatitis C virus infections, and their use for drug screening and HCV infection diagnosis
INVENTOR(S): Salassidis, Konstadinos; Schubart, Daniel; Gutbrod, Heidrun; Mueller, Stefan; Kraetzer, Friedrich; Obert, Sabine
PATENT ASSIGNEE(S): Axxima Pharmaceuticals A.-G., Germany
SOURCE: PCT Int. Appl., 48 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003054228	A2	20030703	WO 2002-EP14578	20021219
WO 2003054228	A3	20040115		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-341757P P 20011221

L10 ANSWER 5 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:511486 HCAPLUS
DOCUMENT NUMBER: 139:81327

TITLE: Identification, **cloning**, sequences, and diagnostic and therapeutic use of **human metalloprotease** family members
INVENTOR(S): Mitter, Richard James; Fagan, Richard Joseph; Phelps, Christopher Benjamin
PATENT ASSIGNEE(S): Ares Trading S. A., Switz.; Inpharmatica Ltd.
SOURCE: PCT Int. Appl., 112 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003054178	A2	20030703	WO 2002-GB5866	20021220
WO 2003054178	A3	20031127		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: GB 2001-30560 A 20011220

L10 ANSWER 6 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:261977 HCAPLUS
DOCUMENT NUMBER: 138:282456
TITLE: cDNA and protein sequence of novel **human** a disintegrin and **metalloprotease** domain with thrombospondin domain containing protein ADAMTSs and their uses in drug screening, diagnosis and therapeutics
INVENTOR(S): Cal Miguel, Santiago; Obaya Gonzalez, Alvaro Jesus; Llamazares Prada, Maria; Garabaya Fernandez, Cecilia; Lopez-Otin, Carlos
PATENT ASSIGNEE(S): Daiichi Fine Chemical Co., Ltd., Japan; University of Oviedo
SOURCE: PCT Int. Appl., 169 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003027282	A1	20030403	WO 2002-JP9771	20020924
WO 2003027282	C2	20030612		

W: US
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR

ES 2201874	A1	20040316	ES 2001-2166	20010924
ES 2204250	A1	20040416	ES 2001-2165	20010924
ES 2205989	A1	20040501	ES 2001-2167	20010924
JP 2003180384	A2	20030702	JP 2002-277172	20020924

PRIORITY APPLN. INFO.: ES 2001-2165 A 20010924
ES 2001-2166 A 20010924
ES 2001-2167 A 20010924

		ES 2001-2192	A 20010925
		ES 2001-2193	A 20010925

REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 7 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:454944 HCAPLUS
DOCUMENT NUMBER: 139:32520
TITLE: Polynucleotide encoding matrix metalloprotease MMP-29 highly **expressed** in the human testis
INVENTOR(S): Wu, Shujian; Chen, Jian; Feder, John N.; Lee, Liana; Krystek, Stanley R.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 206 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003109021	A1	20030612	US 2002-133797	20020426

PRIORITY APPLN. INFO.: US 2001-286764P P 20010426

L10 ANSWER 8 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:29491 HCAPLUS
DOCUMENT NUMBER: 138:84584
TITLE: Novel human cDNA encoding a disintegrin and metalloprotease (ADAM) family protein
INVENTOR(S): Yoshinaka, Takeshi; Nishiwaki, Eiji; Ishiguro, Keiji
PATENT ASSIGNEE(S): Japan Organo Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 14 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003009870	A2	20030114	JP 2001-175037	20010611

PRIORITY APPLN. INFO.: JP 2001-175037 20010611

L10 ANSWER 9 OF 117 MEDLINE on STN DUPLICATE 1
ACCESSION NUMBER: 2003520612 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12941954
TITLE: Phorbol 12-myristate 13-acetate-induced ectodomain shedding and phosphorylation of the **human** meprinbeta **metalloprotease**.
AUTHOR: Hahn Dagmar; Pischitzis Anastassios; Roesmann Sandra; Hansen Marianne K; Leuenberger Boris; Luginbuehl Ursula; Sterchi Erwin E
CORPORATE SOURCE: Institute of Biochemistry and Molecular Biology and Department of Pediatrics, Berne University, 3012 Berne, Switzerland.
SOURCE: Journal of biological chemistry, (2003 Oct 31) 278 (44) 42829-39.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200312

ENTRY DATE: Entered STN: 20031106
Last Updated on STN: 20031225
Entered Medline: 20031224

L10 ANSWER 10 OF 117 MEDLINE on STN DUPLICATE 2
ACCESSION NUMBER: 2003128742 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12514189
TITLE: Characterization of ADAMTS-9 and ADAMTS-20 as a distinct ADAMTS subfamily related to Caenorhabditis elegans GON-1.
AUTHOR: Somerville Robert P T; Longpre Jean-Michel; Jungers Katherine A; Engle J Michael; Ross Monique; Evanko Stephen; Wight Thomas N; Leduc Richard; Apte Suneel S
CORPORATE SOURCE: Department of Biomedical Engineering, Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, Ohio 44195, USA.
CONTRACT NUMBER: AR47074 (NIAMS)
HL18645 (NHLBI)
SOURCE: Journal of biological chemistry, (2003 Mar 14) 278 (11) 9503-13.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF488803; GENBANK-AF488804
ENTRY MONTH: 200305
ENTRY DATE: Entered STN: 20030320
Last Updated on STN: 20030515
Entered Medline: 20030514

L10 ANSWER 11 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-17685 BIOTECHDS
TITLE: Sequence motifs of tissue inhibitor of metalloproteinases 2 (TIMP-2) determining progelatinase A (proMMP-2) binding and activation by membrane-type metalloproteinase 1 (MT1-MMP); plasmid-mediated gene transfer and **expression** in Escherichia coli and mouse melanoma for **recombinant** metalloprotease-inhibitor and metalloprotease production for use in cancer therapy
AUTHOR: WORLEY JR; THOMPKINS PB; LEE MH; HUTTON M; SOLOWAY P; EDWARDS DR; MURPHY G; KNAUPER V
CORPORATE SOURCE: Univ E Anglia; Univ York; Cornell Univ
LOCATION: Murphy G, Univ Cambridge, Cambridge Inst Med Res, Dept Oncol, Hills Rd, Cambridge CB2 2XY, England
SOURCE: BIOCHEMICAL JOURNAL; (2003) 372, 3, 799-809
ISSN: 0264-6021
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 12 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2004:76152 BIOSIS
DOCUMENT NUMBER: PREV200400078256
TITLE: Inverse regulation of the ADAM-family members, decysin and MADDAM/ADAM19 during monocyte differentiation.
AUTHOR(S): Fritsche, Jana [Reprint Author]; Mueller, Alexandra; Hausmann, Martin; Rogler, Gerhard; Andreesen, Reinhard; Kreutz, Marina
CORPORATE SOURCE: Department of Hematology/Oncology, University of Regensburg, Franz-Josef-Strauss-Allee 11, D-93042, Regensburg, Germany
jana.fritsche@klinik.uni-regensburg.de
SOURCE: Immunology, (December 2003) Vol. 110, No. 4, pp. 450-457. print.
CODEN: IMMUAM. ISSN: 0019-2805.

DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 4 Feb 2004
Last Updated on STN: 4 Feb 2004

L10 ANSWER 13 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:549785 HCAPLUS
DOCUMENT NUMBER: 139:174618
TITLE: Identification of a human cDNA sequence which encodes a novel membrane-associated protein containing a zinc metalloprotease motif
AUTHOR(S): Bao, Ying-Chun; Tsuruga, Hiromichi; Hirai, Momoki; Yasuda, Kazuki; Yokoi, Norihide; Kitamura, Toshio; Kumagai, Hidetoshi
CORPORATE SOURCE: Division of Cell Therapy, Division of hematopoietic Factors, Institute of Medical Science, University of Tokyo, Tokyo, Japan
SOURCE: DNA Research (2003), 10(3), 123-128
CODEN: DARSE8; ISSN: 1340-2838
PUBLISHER: Universal Academy Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 14 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:740783 HCAPLUS
DOCUMENT NUMBER: 139:378340
TITLE: Characterization of metalloproteases and their inhibitors in mast cells
AUTHOR(S): Kim, Alyn
CORPORATE SOURCE: College of Letters and Sciences, University of California, Berkeley., CA, USA
SOURCE: Berkeley Scientific (2003), 7(1), 48-52
CODEN: BESCF6; ISSN: 1097-0967
PUBLISHER: Berkeley Scientific
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 15 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:160572 BIOSIS
DOCUMENT NUMBER: PREV200300160572
TITLE: Human ADAM33: Protein maturation and localization.
AUTHOR(S): Garlisi, Charles G. [Reprint Author]; Zou, Jun; Devito, Kristine E.; Tian, Fang; Zhu, Feng X.; Liu, Jianjun; Shah, Himanshu; Wan, Yuntao; Billah, M. Motasim; Egan, Robert W.; Umland, Shelby P.
CORPORATE SOURCE: Allergy, Schering-Plough Research Institute, 2015 Galloping Hill Road, Kenilworth, NJ, 07033, USA
charles.garlisi@spcorp.com
SOURCE: Biochemical and Biophysical Research Communications, (January 31 2003) Vol. 301, No. 1, pp. 35-43. print.
CODEN: BBRCA9. ISSN: 0006-291X.
DOCUMENT TYPE: Article
LANGUAGE: English
OTHER SOURCE: DDBJ-AF466287; EMBL-AF466287; GenBank-AF466287
ENTRY DATE: Entered STN: 26 Mar 2003
Last Updated on STN: 9 May 2003

L10 ANSWER 16 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:64532 BIOSIS
DOCUMENT NUMBER: PREV200300064532

TITLE: The ADAMs family of metalloproteases: Multidomain proteins with multiple functions.
AUTHOR(S): Seals, Darren F.; Courtneidge, Sara A. [Reprint Author]
CORPORATE SOURCE: Van Andel Research Institute, Grand Rapids, MI, 49503, USA
sara.courtneidge@vai.org
SOURCE: Genes & Development, (January 1 2003) Vol. 17, No. 1, pp. 7-30. print.
CODEN: GEDEEP. ISSN: 0890-9369.
DOCUMENT TYPE: Article
General Review; (Literature Review)
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Jan 2003
Last Updated on STN: 29 Jan 2003

L10 ANSWER 17 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 3
ACCESSION NUMBER: 2002-14133 BIOTECHDS
TITLE: Identifying modulator of neural cell growth or transition metal neurotoxicity, involves contacting test compound with novel **human metalloprotease** polypeptide and determining if the polypeptide binds the test compound; vector-mediated gene transfer, **expression** in host cell, antibody and transgenic animal for **recombinant** protein production, drug screening and gene therapy
AUTHOR: KAPELLER-LIBERMANN R
PATENT ASSIGNEE: MILLENNIUM PHARM INC
PATENT INFO: WO 2002026948 4 Apr 2002
APPLICATION INFO: WO 2000-US30016 25 Sep 2000
PRIORITY INFO: US 2000-235055 25 Sep 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-405051 [43]

L10 ANSWER 18 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 4
ACCESSION NUMBER: 2002-15975 BIOTECHDS
TITLE: New **human** matrix **metalloprotease** gene and protein, useful for diagnosing, staging, preventing or treating cancer or inflammatory diseases (e.g. arthritis), as well as in screening drugs for treating these diseases; vector-mediated **recombinant** protein gene transfer and **expression** in host cell, monoclonal antibody, DNA primer and sense and antisense oligonucleotide for use in drug screening and gene therapy
AUTHOR: FALDUTO M T; MAGNUSON S R; MORGAN D W
PATENT ASSIGNEE: FALDUTO M T; MAGNUSON S R; MORGAN D W
PATENT INFO: US 2002031817 14 Mar 2002
APPLICATION INFO: US 1997-391104 11 Mar 1997
PRIORITY INFO: US 1999-391104 7 Sep 1999
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-361182 [39]

L10 ANSWER 19 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 5
ACCESSION NUMBER: 2003-12920 BIOTECHDS
TITLE: New **human** zinc **metalloprotease** enzymes and nucleic acids encoding them, useful as models in developing and identifying human therapeutics, or as targets for developing therapeutic agents that modulate enzyme activity; virus vector plasmid, phage-mediated gene transfer and **expression** in host cell for use in disease

diagnosis
AUTHOR: WEI M; YAN C; DI FRANCESCO V; BEASLEY E M
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 6482629 19 Nov 2002
APPLICATION INFO: US 2001-819989 29 Mar 2001
PRIORITY INFO: US 2001-819989 29 Mar 2001; US 2001-819989 29 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-298138 [29]

L10 ANSWER 20 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2002:377967 BIOSIS
DOCUMENT NUMBER: PREV200200377967
TITLE: **Human** matrix **metalloprotease** gene, proteins encoded therefrom and methods of using same.
AUTHOR(S): Falduto, Michael T. [Inventor, Reprint author]; Magnuson, Scott R. [Inventor]; Morgan, Douglas W. [Inventor]
CORPORATE SOURCE: Glencoe, IL, USA
ASSIGNEE: Abbott Laboratories
PATENT INFORMATION: US 6399371 June 04, 2002
SOURCE: Official Gazette of the United States Patent and Trademark Office Patents, (June 4, 2002) Vol. 1259, No. 1. http://www.uspto.gov/web/menu/patdata.html. e-file. CODEN: OGUPE7. ISSN: 0098-1133.
DOCUMENT TYPE: Patent
LANGUAGE: English
ENTRY DATE: Entered STN: 10 Jul 2002
Last Updated on STN: 10 Jul 2002

L10 ANSWER 21 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-11785 BIOTECHDS
TITLE: Detecting compounds that modulate a cellular response to ultraviolet radiation exposure, involves contacting the cell with a test compound and exposing the cell to the radiation; cell response modulation, UV radiation, RNA molecule measurement, human **recombinant** protein **expression** and DNA array useful for drug screening, and disease
AUTHOR: BLUMENBERG M
PATENT ASSIGNEE: UNIV NEW YORK STATE
PATENT INFO: WO 2002020846 14 Mar 2002
APPLICATION INFO: WO 2000-US28040 8 Sep 2000
PRIORITY INFO: US 2000-231454 8 Sep 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-292272 [33]

L10 ANSWER 22 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-09963 BIOTECHDS
TITLE: **Human** non-integration protein-**metalloprotease** 11.11 and encoding polynucleotide, used in diagnosis and treatment of malignant tumors and protein metabolic disturbance; vector-mediated gene transfer, **expression** in host cell, DNA chip, DNA microarray and antisense oligonucleotide for **recombinant** protein production, drug screening and gene therapy
AUTHOR: MAO Y; XIE Y
PATENT ASSIGNEE: BIOWINDOW GENE DEV INC SHANGHAI
PATENT INFO: WO 2002012458 14 Feb 2002
APPLICATION INFO: WO 2000-CN990 19 Jun 2000
PRIORITY INFO: CN 2000-116589 19 Jun 2000
DOCUMENT TYPE: Patent
LANGUAGE: German

OTHER SOURCE: WPI: 2002-172154 [22]

L10 ANSWER 23 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-09945 BIOTECHDS
TITLE: **Human** non-integrin **metalloprotease** 10.67 and encoding polynucleotide, used in diagnosis and treatment of protein metabolic disorder tumor;
antibody, agonist, antagonist, inhibitor drug screening, DNA primer, DNA probe, DNA chip, DNA microarray, antisense DNA useful for gene therapy
AUTHOR: MAO Y; XIE Y
PATENT ASSIGNEE: BIOWINDOW GENE DEV INC SHANGHAI
PATENT INFO: WO 2002012306 14 Feb 2002
APPLICATION INFO: WO 2000-CN994 19 Jun 2000
PRIORITY INFO: CN 2000-116596 19 Jun 2000
DOCUMENT TYPE: Patent
LANGUAGE: German
OTHER SOURCE: WPI: 2002-172135 [22]

L10 ANSWER 24 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-26104 BIOTECHDS
TITLE: New isolated bovine tumor necrosis factor convertase for identifying an inhibitor, comprises a specific molecular weight, and the ability to cleave human pro tumor necrosis factor convertase to produce soluble, mature convertase;
involving vector-mediated gene transfer and **expression** in host cell for use in disease therapy
AUTHOR: DALIE B; FAN X; LUNDELL D; LUNN C A; TAN J C; ZAVODNY P J
PATENT ASSIGNEE: DALIE B; FAN X; LUNDELL D; LUNN C A; TAN J C; ZAVODNY P J
PATENT INFO: US 2002168755 14 Nov 2002
APPLICATION INFO: US 2002-145014 14 May 2002
PRIORITY INFO: US 2002-145014 14 May 2002; US 1996-21710 12 Jul 1996
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-729962 [69]

L10 ANSWER 25 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-11398 BIOTECHDS
TITLE: Novel isolated **human metalloprotease** polypeptide useful in biological assays, in drug screening assays, and for treating disorder characterized by absence of, inappropriate or unwanted **expression** of the polypeptide;
vector-mediated enzyme gene transfer and **expression** in host cell and drug screening for disease diagnosis and pharmacogenomics
AUTHOR: MERKULOV G V; YE J; DI FRANCESCO V; BEASLEY E M
PATENT ASSIGNEE: PE CORP
PATENT INFO: US 6344352 5 Feb 2002
APPLICATION INFO: US 2001-920048 22 Mar 2001
PRIORITY INFO: US 2001-920048 2 Aug 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-215078 [27]

L10 ANSWER 26 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-18766 BIOTECHDS
TITLE: New isolated matrix metalloprotease and modulating substances, useful for treating CNS diseases, respiratory diseases, inflammatory respiratory diseases, cancers and endometrial carcinomas;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in cancer therapy

AUTHOR: DELANY N S; EDBROOKE M R
PATENT ASSIGNEE: GLAXO GROUP LTD
PATENT INFO: GB 2369363 29 May 2002
APPLICATION INFO: GB 2000-19929 17 Aug 2000
PRIORITY INFO: GB 2000-20345 17 Aug 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-511267 [55]

L10 ANSWER 27 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-02619 BIOTECHDS
TITLE: Polypeptide-**human** matrical **metalloprotease** 15.29;
vector-mediated **recombinant** protein gene transfer and **expression** in host cell for use in cancer and diabetes therapy
AUTHOR: MAO Y; XIE Y.
PATENT ASSIGNEE: BODE GENE DEV CO LTD SHANGHAI
PATENT INFO: CN 1351165 29 May 2002
APPLICATION INFO: CN 2000-125843 26 Oct 2000
PRIORITY INFO: CN 2000-125843 26 Oct 2000; CN 2000-125843 26 Oct 2000
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
OTHER SOURCE: WPI: 2002-658665 [71]

L10 ANSWER 28 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:716415 HCAPLUS
DOCUMENT NUMBER: 137:243158
TITLE: Protein and cDNA sequences of a novel **human** **metalloprotease** MP-1 sequence homolog and therapeutic and diagnostic uses thereof
INVENTOR(S): Chen, Jian; Feder, John; Nelson, Thomas C.; Duclos, Franck; Krystek, Stanley
PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
SOURCE: PCT Int. Appl., 473 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002072751	A2	20020919	WO 2002-US3353	20020205
WO 2002072751	A3	20030227		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003082782	A1	20030501	US 2002-67443	20020205
US 6642041	B2	20031104		
EP 1364000	A2	20031126	EP 2002-726565	20020205
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004043407	A1	20040304	US 2003-649273	20030827
US 2004048302	A1	20040311	US 2003-651722	20030829

PRIORITY APPLN. INFO.: US 2001-266518P P 20010205
US 2001-282814P P 20010410

US 2002-67443 A1 20020205
WO 2002-US3353 W 20020205

L10 ANSWER 29 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:504915 HCAPLUS
DOCUMENT NUMBER: 137:59512
TITLE: **Human metalloprotease** member of the ADAMTS family and its cDNA sequence and diagnostic and therapeutic uses
INVENTOR(S): Bandaru, Rajasehkar; Curtis, Rory A. J.; Spurling, Heidi Lynn
PATENT ASSIGNEE(S): Millennium Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 143 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002051995	A1	20020704	WO 2001-US47167	20011113
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2002119555	A1	20020829	US 2001-14070	20011113

PRIORITY APPLN. INFO.: US 2000-258373P P 20001222
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 30 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:487729 HCAPLUS
DOCUMENT NUMBER: 137:42664
TITLE: **Human metalloprotease** having aggrecanase activity MDTS8, and use in joint disease drug screening
INVENTOR(S): Yamaji, Noboru; Nishimura, Kouichi; Abe, Kunitake
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 58 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002050258	A1	20020627	WO 2001-JP11033	20011217
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002022658	A5	20020701	AU 2002-22658	20011217

EP 1344821 A1 20030917 EP 2001-271116 20011217
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
US 2003185828 A1 20031002 US 2002-240545 20021002
PRIORITY APPLN. INFO.: JP 2000-384300 A 20001218
WO 2001-JP11033 W 20011217
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 31 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:276132 HCAPLUS
DOCUMENT NUMBER: 136:306020
TITLE: Protein and cDNA sequences of novel **human** zinc **metalloprotease** sequence homologs
INVENTOR(S): Walke, D. Wade; Scoville, John
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
SOURCE: PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002029026	A2	20020411	WO 2001-US30806	20011002
WO 2002029026	A3	20030116		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002011347	A5	20020415	AU 2002-11347	20011002
US 2002102683	A1	20020801	US 2001-969515	20011002
EP 1328623	A2	20030723	EP 2001-979376	20011002

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRIORITY APPLN. INFO.: US 2000-237540P P 20001004
WO 2001-US30806 W 20011002

L10 ANSWER 32 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:157954 HCAPLUS
DOCUMENT NUMBER: 136:211922
TITLE: Protein and cDNA sequences of **human** zinc **metalloprotease** sequence homologs and uses thereof in diagnosis, therapy and drug screening
INVENTOR(S): Walke, Wade D.; Hilbun, Erin; Scoville, John; Friddle, Carl Johan; Hu, Yi; Turner, Alexander C., Jr.
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002016564	A2	20020228	WO 2001-US26148	20010822
WO 2002016564	A3	20020725		

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        W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
            GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
            LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
            PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
            UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
        RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
            DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
            BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

     AU 2001088339     A5   20020304       AU 2001-88339    20010822
     US 2002115838     A1   20020822       US 2001-938330   20010822
     EP 1311690        A2   20030521       EP 2001-968061   20010822
        R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
            IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
PRIORITY APPLN. INFO.:                  US 2000-227104P  P  20000822
                                        US 2000-233796P  P  20000919
                                        WO 2001-US26148  W  20010822

L10  ANSWER 33 OF 117  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2002:889452  HCAPLUS
DOCUMENT NUMBER:          137:381007
TITLE:                    Protein and cDNA sequence of human
                          metalloprotease M8 and transgenic animal with
                          disrupted metalloprotease M8 gene
INVENTOR(S):              Horling, Jan; Jansson, Magnus; Danielsson, Eva;
                          Johansson, Per; Lake, Staffan; Nilsson, Joakim
PATENT ASSIGNEE(S):       Swed.
SOURCE:                   U.S. Pat. Appl. Publ., 38 pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:

     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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     US 2002172988     A1    20021121       US 2002-145949   20020515
     WO 2002092804     A1    20021121       WO 2002-SE931    20020515
        W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
            CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
            GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
            LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
            PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
            UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
            TJ, TM
        RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
            PT, SE, TR
PRIORITY APPLN. INFO.:                  SE 2001-1700     A  20010515
                                        US 2001-290677P  P  20010515

L10  ANSWER 34 OF 117  HCAPLUS  COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER:         2002:850250  HCAPLUS
DOCUMENT NUMBER:          137:348404
TITLE:                    Protein and cDNA sequences of a novel human
                          metalloprotease sequence homolog and
                          therapeutic uses thereof
INVENTOR(S):              Bandaru, Rajasekhar
PATENT ASSIGNEE(S):       USA
SOURCE:                   U.S. Pat. Appl. Publ., 55 pp.
                          CODEN: USXXCO
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002164766	A1	20021107	US 2001-7271	20011022

PRIORITY APPLN. INFO.: US 2000-242303P P 20001020

L10 ANSWER 35 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:736800 HCAPLUS
DOCUMENT NUMBER: 137:258650
TITLE: Protein, gene and cDNA sequences of a novel human protease related to ATP-dependent metalloprotease and their uses in drug screening
INVENTOR(S): Gan, Weiniu; Ye, Jane; Di Francesco, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): USA
SOURCE: U.S. Pat. Appl. Publ., 85 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002137180	A1	20020926	US 2001-816093	20010326
US 6518055	B2	20030211		
WO 2002077167	A2	20021003	WO 2002-US8291	20020319
WO 2002077167	A3	20030227		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1379678	A2	20040114	EP 2002-726656	20020319
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2003054489	A1	20030320	US 2002-274873	20021022

PRIORITY APPLN. INFO.: US 2001-816093 A 20010326
WO 2002-US8291 W 20020319

L10 ANSWER 36 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:466628 HCAPLUS
DOCUMENT NUMBER: 137:29825
TITLE: **Cloning**, characterization, **expression** and therapeutic use of a novel **human** matrix **metalloprotease**
INVENTOR(S): Delany, Natalie Samantha; Edbrooke, Mark Robert
PATENT ASSIGNEE(S): UK
SOURCE: U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002076800	A1	20020620	US 2001-931147	20010816
GB 2369363	A1	20020529	GB 2001-19929	20010815

PRIORITY APPLN. INFO.: GB 2000-20345 A 20000817

L10 ANSWER 37 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:958415 HCAPLUS
DOCUMENT NUMBER: 140:265646
TITLE: Human 41.25-kDa zinc metalloprotease sequence homolog and its cDNA and therapeutic use
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 31 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1386855	A	20021225	CN 2001-112913	20010517

PRIORITY APPLN. INFO.: CN 2001-112913 20010517

L10 ANSWER 38 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:150759 HCAPLUS
DOCUMENT NUMBER: 138:164747
TITLE: cDNA and protein sequence of a novel **human** matrix **metalloprotease** cysteine switch sequence homolog containing protein and their uses in drug screening, diagnosis and therapeutics
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 31 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1342769	A	20020403	CN 2000-125148	20000912

PRIORITY APPLN. INFO.: CN 2000-125148 20000912

L10 ANSWER 39 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:966758 HCAPLUS
DOCUMENT NUMBER: 138:135425
TITLE: Active matrix metalloprotease-9 in and migration pattern of dendritic cells matured in clinical grade culture conditions
AUTHOR(S): Hollender, Patrick; Ittelet, Danielle; Villard, Florence; Eymard, Jean-Christophe; Jeannesson, Pierre; Bernard, Jacky
CORPORATE SOURCE: Faculte de Pharmacie, Unite MeDIAN, CNRS UMR 6142, Reims, Fr.
SOURCE: Immunobiology (2002), 206(4), 441-458
CODEN: IMMND4; ISSN: 0171-2985
PUBLISHER: Urban & Fischer Verlag GmbH & Co. KG
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 70 THERE ARE 70 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 40 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2002:608567 BIOSIS

DOCUMENT NUMBER: PREV200200608567
TITLE: Secretion of **recombinant** human tissue inhibitor of metalloproteinase-2 (rhTIMP-2) in a pmr1 mutant of Yarrowia lipolytica.
AUTHOR(S): Chang, J. [Reprint author]; Kim, M.; Kim, J. [Reprint author]
CORPORATE SOURCE: Chungnam National University, Daejeon, South Korea
SOURCE: Abstracts of the General Meeting of the American Society for Microbiology, (2002) Vol. 102, pp. 358. print.
Meeting Info.: 102nd General Meeting of the American Society for Microbiology. Salt Lake City, UT, USA. May 19-23, 2002. American Society for Microbiology.
ISSN: 1060-2011.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 27 Nov 2002
Last Updated on STN: 27 Nov 2002

L10 ANSWER 41 OF 117 MEDLINE on STN DUPLICATE 6
ACCESSION NUMBER: 2002284344 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12025971
TITLE: ACEH/ACE2 is a novel mammalian metallocarboxypeptidase and a homologue of angiotensin-converting enzyme insensitive to ACE inhibitors.
AUTHOR: Turner Anthony J; Tipnis Sarah R; Guy Jodie L; Rice Gillian; Hooper Nigel M
CORPORATE SOURCE: Proteolysis Research Group, School of Biochemistry and Molecular Biology, University of Leeds, UK..
a.j.turner@leeds.ac.uk
SOURCE: Canadian journal of physiology and pharmacology, (2002 Apr) 80 (4) 346-53. Ref: 50
Journal code: 0372712. ISSN: 0008-4212.
PUB. COUNTRY: Canada
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 20020528
Last Updated on STN: 20021217
Entered Medline: 20021204

L10 ANSWER 42 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:430162 HCAPLUS
DOCUMENT NUMBER: 137:198700
TITLE: The metalloprotease-directed shedding of BP 180 (collagen XVII) from human keratinocytes in culture is unaffected by ceramide and cell-matrix interaction
AUTHOR(S): Labrousse, Anne-Laure; Buisson-Legendre, Nathalie; Hornebeck, William; Bernard, Philippe
CORPORATE SOURCE: Faculty of Medicine, Department of Dermatology, Reims, 51095, Fr.
SOURCE: European Journal of Dermatology (2002), 12(3), 240-246
CODEN: EJDEE4; ISSN: 1167-1122
PUBLISHER: John Libbey Eurotext
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 43 OF 117 MEDLINE on STN DUPLICATE 7
ACCESSION NUMBER: 2002087380 MEDLINE

DOCUMENT NUMBER: PubMed ID: 11814695
TITLE: Identification and characterization of novel mouse and **human** ADAM33s with potential **metalloprotease** activity.
AUTHOR: Yoshinaka Tsuyoshi; Nishii Kazuhiro; Yamada Kouji; Sawada Hirohide; Nishiwaki Eiji; Smith Katherine; Yoshino Kohichiro; Ishiguro Hiroshi; Higashiyama Shigeki
CORPORATE SOURCE: R&D Laboratories, Nippon Organon K.K., 1-5-90 Tomobuchi-cho, Miyakojima, Osaka 534-0016, Japan.
CONTRACT NUMBER: HD26402 (NICHD)
SOURCE: Gene, (2002 Jan 9) 282 (1-2) 227-36.
Journal code: 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AB055891; GENBANK-AB059632; GENBANK-AB059633
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020130
Last Updated on STN: 20020403
Entered Medline: 20020328

L10 ANSWER 44 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:178273 HCAPLUS
DOCUMENT NUMBER: 136:399501
TITLE: Gelatinase Levels in Male and Female Breast Cancer
AUTHOR(S): Giannelli, Gianluigi; Fransvea, Emilia; Marinosci, Felice; Bergamini, Carlo; Daniele, Antonella; Colucci, Silvia; Paradiso, Angelo; Quaranta, Michele; Antonaci, Salvatore
CORPORATE SOURCE: Department of Internal Medicine, Immunology, and Infectious Diseases, Section of Internal Medicine, University of Bari, Medical School, Bari, 70124, Italy
SOURCE: Biochemical and Biophysical Research Communications (2002), 292(1), 161-166
CODEN: BBRCA9; ISSN: 0006-291X
PUBLISHER: Academic Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 45 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:121695 HCAPLUS
DOCUMENT NUMBER: 137:77714
TITLE: Stimulation of matrix metalloprotease 3 release from human chondrocytes by the interaction of stromal cell-derived factor 1 and CXC chemokine receptor 4
AUTHOR(S): Kanbe, Katsuaki; Takagishi, Kenji; Chen, Qian
CORPORATE SOURCE: The Pennsylvania State University College of Medicine, Hershey, PA, 17033-0850, USA
SOURCE: Arthritis & Rheumatism (2002), 46(1), 130-137
CODEN: ARHEAW; ISSN: 0004-3591
PUBLISHER: Wiley-Liss, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 46 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:362301 HCAPLUS
DOCUMENT NUMBER: 138:67471
TITLE: The ADAMDEC1 (decysin) gene structure: evolution by duplication in a metalloprotease gene cluster on

chromosome 8p12
AUTHOR(S): Bates, Elizabeth E. M.; Fridman, Wolf H.; Mueller, Chris G. F.
CORPORATE SOURCE: Schering-Plough, Laboratory for Immunological Research, Dardilly, 69571, Fr.
SOURCE: Immunogenetics (2002), 54(2), 96-105
CODEN: IMNGBK; ISSN: 0093-7711
PUBLISHER: Springer-Verlag
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 50 THERE ARE 50 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 47 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:47818 HCAPLUS
DOCUMENT NUMBER: 138:399126
TITLE: Studies on fragmentation of osteopontin extracted from rat bone
AUTHOR(S): Miyakawa, Yukimitsu
CORPORATE SOURCE: Dep. Orthodontics, Kanagawa Dental College, Japan
SOURCE: Kanagawa Shigaku (2002), 37(1), 10-22
CODEN: KSHGDM; ISSN: 0454-8302
PUBLISHER: Kanagawa Shika Daigaku Gakkai
DOCUMENT TYPE: Journal
LANGUAGE: Japanese

L10 ANSWER 48 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 8
ACCESSION NUMBER: 2002-10502 BIOTECHDS
TITLE: An isolated nucleic acid molecule encoding a novel **human metalloprotease** family member useful for diagnosing neurological disorders and inflammatory response;
vector-mediated **recombinant** enzyme gene transfer and **expression** in host cell, antibody, antisense, ribozyme and triple helix for use in cancer, neurological disease, inflammatory disease, bone disorder, immune disorder,cardiovascular disorder, liver disorder, virus disease, skeletal muscle disorder, reproductive disorder, skin disorder, kidney disorder, adipose disease and thyroid disorder diagnosis, prevention, therapy and gene therapy
AUTHOR: KAPELLER-LIEBERMANN R; COOK W J; SILOS-SANTIAGO I
PATENT ASSIGNEE: MILLENNIUM PHARM INC
PATENT INFO: WO 2001088156 22 Nov 2001
APPLICATION INFO: WO 2000-US15766 15 May 2000
PRIORITY INFO: US 2000-204160 15 May 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-188152 [24]

L10 ANSWER 49 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
DUPLICATE 9
ACCESSION NUMBER: 2002-11348 BIOTECHDS
TITLE: New **human metalloprotease** nucleic acid and polypeptide molecules, designated 33428, useful for preventing or treating pain-related or neurological disorders, e.g. cancer, arthritis, Alzheimer's disease, tooth pain or migraine;
vector-mediated gene transfer and **expression** in mammal cell for use in cancer, arthritis, neurological disorder, cancer, arthritis, Alzheimer disease, tooth pain, migraine and inflammation diagnosis, prevention, therapy andgene therapy

AUTHOR: KAPELLER-LIEBERMANN R; COOK W J; SILOS-SANTIAGO I
PATENT ASSIGNEE: MILLENNIUM PHARM INC
PATENT INFO: WO 2001088155 22 Nov 2001
APPLICATION INFO: WO 2000-US15527 15 May 2000
PRIORITY INFO: US 2000-204160 15 May 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-226704 [28]

L10 ANSWER 50 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-06704 BIOTECHDS
TITLE: Identifying an inhibitor of a mammalian TNF-alpha convertase useful for treating medical conditions mediated by TNF-alpha convertases;
enzyme-inhibitor identification and vector **expression** in 293 cell useful for disease therapy and drug screening
AUTHOR: DALIE B; FAN X; LUNDELL D; LUNN C A; TAN J C; ZAVODNY P J
PATENT ASSIGNEE: SCHERING CORP
PATENT INFO: US 6319681 20 Nov 2001
APPLICATION INFO: US 1996-156163 12 Jul 1996
PRIORITY INFO: US 1998-156163 17 Sep 1998
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-138255 [18]

L10 ANSWER 51 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:582089 HCAPLUS
DOCUMENT NUMBER: 135:177269
TITLE: Novel **human** matrix **metalloprotease** -like proteins identified by sequence similarity and their therapeutic use
INVENTOR(S): Godbole, Shubhada D.; Asundi, Vinod; Kuo, Chiaoyun; Tang, Y. Tom; Drmanac, Radoje T.; Liu, Chenghua
PATENT ASSIGNEE(S): Hyseq, Inc., USA
SOURCE: PCT Int. Appl., 142 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 99
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001057255	A1	20010809	WO 2001-US3434	20010202
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001031288	A5	20010814	AU 2001-31288	20010202
US 2003100746	A1	20030529	US 2002-114500	20020401

PRIORITY APPLN. INFO.:
US 2000-496914 A 20000203
US 2000-560875 A 20000427
US 2000-713851 A 20001115
WO 2001-US3434 W 20010202
US 2001-802704 B1 20010308

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 52 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:566794 HCAPLUS
DOCUMENT NUMBER: 135:148341
TITLE: Protein and cDNA sequences of **human metalloprotease** MPROT45, and uses thereof in therapy, diagnosis, and drug screening
INVENTOR(S): Southan, Christopher Donald; Hughes, Anthony Stephen
PATENT ASSIGNEE(S): Smithkline Beecham P.L.C., UK
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001055428	A2	20010802	WO 2001-EP189	20010110
WO 2001055428	A3	20011220		
W: JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR				
US 2001036648	A1	20011101	US 2000-737353	20001215
EP 1183372	A2	20020306	EP 2001-909591	20010110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: GB 2000-1898 A 20000127
WO 2001-EP189 W 20010110

L10 ANSWER 53 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:380751 HCAPLUS
DOCUMENT NUMBER: 135:16025
TITLE: **Cloning**, sequence and therapeutic applications of **human metalloprotease** IGS5 isoenzymes
INVENTOR(S): Deleersnijder, Willy; Wiegers, Rico; Weske, Michael
PATENT ASSIGNEE(S): Solvay Pharmaceuticals B.V., Neth.
SOURCE: PCT Int. Appl., 114 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001036610	A1	20010525	WO 2000-EP11532	20001117
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1234025	A1	20020828	EP 2000-981279	20001117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003514525	T2	20030422	JP 2001-538489	20001117
US 2003180877	A1	20030925	US 2002-147928	20020520

PRIORITY APPLN. INFO.: EP 1999-203862 A 19991119
NL 1999-1013616 A 19991119
EP 2000-201937 A 20000531

NL 2000-1015356 A 20000531
WO 2000-EP11532 W 20001117

REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 54 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:360159 HCAPLUS
DOCUMENT NUMBER: 134:362266
TITLE: **Human metalloprotease** having aggrecanase activity, MDTS6
INVENTOR(S): Yamaji, Noboru; Nishimura, Kouichi; Abe, Kunitake; Ohara, Osamu; Nagase, Takahiro; Nomura, Nobuo
PATENT ASSIGNEE(S): Yamanouchi Pharmaceutical Co., Ltd., Japan; Kazusa DNA Research Institute
SOURCE: PCT Int. Appl., 85 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001034785	A1	20010517	WO 2000-JP7917	20001110
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001013055	A5	20010606	AU 2001-13055	20001110
EP 1234875	A1	20020828	EP 2000-974894	20001110
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
JP 3356771	B2	20021216	JP 2001-537482	20001110
JP 2003146905	A2	20030521	JP 2002-219256	20001110
US 6716613	B1	20040406	US 2001-9332	20011210

PRIORITY APPLN. INFO.:
JP 1999-321740 A 19991111
JP 2000-144020 A 20000516
JP 2001-537482 A3 20001110
WO 2000-JP7917 W 20001110

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 55 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:115319 HCAPLUS
DOCUMENT NUMBER: 134:173907
TITLE: Proteins, nucleic acids, and antibodies for mammalian zinc metalloprotease subfamily members ADAMTS-5 through ADAMTS-10 and the related protein ADAMTS-R1
INVENTOR(S): Apte, Suneel S.; Hurskainen, Tiina L.; Hirohata, Satoshi
PATENT ASSIGNEE(S): Cleveland Clinic Foundation, USA
SOURCE: PCT Int. Appl., 181 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

WO 2001011074	A2	20010215	WO 2000-US21223	20000803	
WO 2001011074	C2	20020912			
W:	AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6391610	B1	20020521	US 1999-369364	19990806	
AU 2000065160	A5	20010305	AU 2000-65160	20000803	
US 2002110894	A1	20020815	US 2001-918171	20010730	
PRIORITY APPLN. INFO.:			US 1999-369364 A	19990806	
			WO 2000-US21223 W	20000803	

L10 ANSWER 56 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:703743 HCAPLUS
DOCUMENT NUMBER: 135:269299
TITLE: **Cloning, expression** and sequence of **human metalloprotease**
INVENTOR(S): Merkulov, Gennady V.; Ye, Jane; Di Francesc, Valentina; Beasley, Ellen M.
PATENT ASSIGNEE(S): Applera Corporation, USA
SOURCE: U.S., 57 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE	
US 6294368	B1	20010925	US 2001-813819	20010322	
US 6344352	B1	20020205	US 2001-920048	20010802	
WO 2002077241	A2	20021003	WO 2001-US29745	20010924	
WO 2002077241	A3	20030130			
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1373521	A2	20040102	EP 2001-975312	20010924	
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2002137183	A1	20020926	US 2001-14501	20011214	
PRIORITY APPLN. INFO.:			US 2001-813819 A3	20010322	
			US 2001-920048 A3	20010802	
			WO 2001-US29745 W	20010924	

REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 57 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:735422 HCAPLUS
DOCUMENT NUMBER: 135:269285
TITLE: A new matrix metalloprotease MMP-25 homologous to matrilysin found at high levels in tumor cells and its therapeutic uses

INVENTOR(S): Benoit De Coignac, Amelie; Elson, Greg; Gauchat, Jean Francois
PATENT ASSIGNEE(S): Pierre Fabre Medicament, Fr.
SOURCE: Fr. Demande, 49 pp.
CODEN: FRXXBL
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 2802945	A1	20010629	FR 1999-16571	19991228

PRIORITY APPLN. INFO.: FR 1999-16571 19991228

L10 ANSWER 58 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:814071 HCAPLUS
DOCUMENT NUMBER: 135:354702
TITLE: **Cloning**, sequence and diagnostic and therapeutic use of **human metalloprotease** ADAMTS-M
INVENTOR(S): Buckbinder, Leonard; Mitchell, Peter G.; Wachtmann, Timothy S.; Walsh, Roderick T.
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1152055	A1	20011107	EP 2001-303706	20010424
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2001049106	A1	20011206	US 2001-836712	20010417

PRIORITY APPLN. INFO.: US 2000-200040P P 20000427
REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 59 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:709783 HCAPLUS
DOCUMENT NUMBER: 135:269300
TITLE: **Cloning**, sequence, **expression** and therapeutic use of **human metalloprotease** ADAMTS-SI
INVENTOR(S): Buckbinder, Leonard; Mitchell, Peter Geoffrey; Schaefer, Jean Frances; Walsh, Roderick Thomas
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: Eur. Pat. Appl., 44 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1136547	A2	20010926	EP 2001-302634	20010321
EP 1136547	A3	20020925		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2001327297	A2	20011127	JP 2001-83195	20010322

US 2002090373 A1 20020711 US 2001-972467 20011005
PRIORITY APPLN. INFO.: US 2000-191382P P 20000322
US 2001-808208 A1 20010314

L10 ANSWER 60 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:542328 HCAPLUS
DOCUMENT NUMBER: 137:74411
TITLE: Protein and cDNA sequences of human membrane-bound ATP-dependent zinc metalloprotease-like protein 10.45 and therapeutical uses
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 33 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1327066	A	20011219	CN 2000-116334	20000605

PRIORITY APPLN. INFO.: CN 2000-116334 20000605

L10 ANSWER 61 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:245085 BIOSIS
DOCUMENT NUMBER: PREV200100245085
TITLE: Identification and characterisation of ACEH, a human homolog of angiotensin-converting enzyme.
AUTHOR(S): Tipnis, Sarah R. [Reprint author]; Hooper, Nigel M. [Reprint author]; Christie, Gary; Turner, Anthony J. [Reprint author]
CORPORATE SOURCE: School of Biochemistry and Molecular Biology, University of Leeds, Leeds, West Yorkshire, LS2 9JT, UK
SOURCE: FASEB Journal, (March 8, 2001) Vol. 15, No. 5, pp. A875. print.
Meeting Info.: Annual Meeting of the Federation of American Societies for Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA. March 31-April 04, 2001.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 23 May 2001
Last Updated on STN: 19 Feb 2002

L10 ANSWER 62 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:8846 HCAPLUS
DOCUMENT NUMBER: 139:81118
TITLE: A novel **human metalloprotease** synthesized in the liver and secreted into the blood: possibly, the von Willebrand factor-cleaving protease?. [Erratum to document cited in CA136:163110]
AUTHOR(S): Soejima, Kenji; Mimura, Noriko; Hirashima, Masaki; Maeda, Hiroaki; Hamamoto, Takayoshi; Nakagaki, Tomohiro; Nozaki, Chikateru
CORPORATE SOURCE: First Research Department, The Chemo-Sero-Therapeutic Research Institute, Kumamoto, 869-1298, Japan
SOURCE: Journal of Biochemistry (Tokyo, Japan) (2001), 130(5), 719
CODEN: JOBIAO; ISSN: 0021-924X
PUBLISHER: Japanese Biochemical Society
DOCUMENT TYPE: Journal

LANGUAGE: English

L10 ANSWER 63 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:682190 HCAPLUS
DOCUMENT NUMBER: 136:164600
TITLE: **Expression** of matrix metalloprotease and tissue inhibitor of metalloprotease genes in human anterior cruciate ligament
AUTHOR(S): Foos, Marcus J.; Hickox, John R.; Mansour, Paul G.; Slauterbeck, James R.; Hardy, Daniel M.
CORPORATE SOURCE: Department of Cell Biology and Biochemistry, Texas Tech, University Health Sciences Center, Lubbock, TX, 79430, USA
SOURCE: Journal of Orthopaedic Research (2001), 19(4), 642-649
CODEN: JOREDR; ISSN: 0736-0266
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 38 THERE ARE 38 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 64 OF 117 MEDLINE on STN DUPLICATE 10
ACCESSION NUMBER: 2001528350 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11574066
TITLE: A novel **human metalloprotease** synthesized in the liver and secreted into the blood: possibly, the von Willebrand factor-cleaving protease?.
COMMENT: Erratum in: J Biochem (Tokyo) 2001 Nov;130(5):719
AUTHOR: Soejima K; Mimura N; Hirashima M; Maeda H; Hamamoto T; Nakagaki T; Nozaki C
CORPORATE SOURCE: First Research Departmen, The Chemo-Sero-Therapeutic Research Institute, Kumamoto 869-1298, Japan.. soejima@kaketsuken.or.jp
SOURCE: Journal of biochemistry, (2001 Oct) 130 (4) 475-80.
Journal code: 0376600. ISSN: 0021-924X.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AB069698
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20011001
Last Updated on STN: 20020226
Entered Medline: 20020130

L10 ANSWER 65 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:758868 HCAPLUS
DOCUMENT NUMBER: 136:366791
TITLE: Preliminarily functional analysis of a **cloned** novel human gene ADAM29
AUTHOR(S): Wang, Fang; Xu, Rener; Zhu, Pengcheng; Hu, Junjie; Ying, Beibei; Zhao, Shouyuan; Li, Changben
CORPORATE SOURCE: School of Life Science, Institute of Genetics, State Key Laboratory of Genetic Engineering, Fudan University, Shanghai, 200433, Peop. Rep. China
SOURCE: Science in China, Series C: Life Sciences (2001), 44(4), 392-399
CODEN: SCCLFO; ISSN: 1006-9305
PUBLISHER: Science in China Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 66 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:217885 BIOSIS
DOCUMENT NUMBER: PREV200100217885
TITLE: Upregulated **expression** of angiogenesis genes and down regulation of cell cycle genes in human colorectal cancer tissue determined by cDNA macroarray.
AUTHOR(S): Tsunoda, Takuya; Nakamura, Takashi; Ishimoto, Kiwao; Yamaue, Hiroki; Tanimura, Hiroshi; Saijo, Nagahiro; Nishio, Kazuto [Reprint author]
CORPORATE SOURCE: Pharmacology Division, National Cancer Center Research Institute, Tsukiji 5-1-1, Chuo-ku, Tokyo, 104-0045, Japan knishio@gan2.ncc.go.jp
SOURCE: Anticancer Research, (January-February, 2001) Vol. 21, No. 1A, pp. 137-143. print.
CODEN: ANTRD4. ISSN: 0250-7005.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 2 May 2001
Last Updated on STN: 18 Feb 2002

L10 ANSWER 67 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:901983 HCAPLUS
DOCUMENT NUMBER: 137:75214
TITLE: Optimized **expression** conditions of human MMP-2 PEX domain
AUTHOR(S): Zeng, Qing-yin; Gao, Bo; Fu, Xue-qi; Lu, Hai; Liu, Lie
CORPORATE SOURCE: College Life Sci., Jilin Univ., Changchun, 130023, Peop. Rep. China
SOURCE: Jilin Daxue Ziran Kexue Xuebao (2001), (4), 81-84
CODEN: CLTTDI; ISSN: 0529-0279
PUBLISHER: Jilin Daxue Ziran Kexue Xuebao Bianjibu
DOCUMENT TYPE: Journal
LANGUAGE: Chinese

L10 ANSWER 68 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:573944 HCAPLUS
DOCUMENT NUMBER: 133:174003
TITLE: New metalloproteases of the neprilysin family identified by PCR **cloning** using primers derived from zincin consensus sequences
INVENTOR(S): Desgroseillers, Luc; Boileau, Guy
PATENT ASSIGNEE(S): Universite de Montreal, Can.
SOURCE: PCT Int. Appl., 59 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000047750	A2	20000817	WO 2000-CA147	20000211
WO 2000047750	A3	20001130		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2260376	AA	20000811	CA 1999-2260376	19990211
EP 1151114	A2	20011107	EP 2000-904758	20000211

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO

JP 2002536021 T2 20021029 JP 2000-598646 20000211

PRIORITY APPLN. INFO.: CA 1999-2260376 A 19990211
WO 2000-CA147 W 20000211

L10 ANSWER 69 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2000:535292 HCAPLUS
DOCUMENT NUMBER: 133:130819
TITLE: Protein and cDNA sequences of **human metalloprotease** MPROT13, and uses thereof in therapy, diagnosis, and drug screening
INVENTOR(S): Southan, Christopher Donald; Palmer, Leslie; Zhu, Yuan; Li, Xiaotong
PATENT ASSIGNEE(S): Smithkline Beecham P.L.C., UK; Smithkline Beecham Corporation
SOURCE: PCT Int. Appl., 34 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000044913	A1	20000803	WO 2000-EP344	20000117
W: JP				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 1161543	A1	20011212	EP 2000-910595	20000117
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				

PRIORITY APPLN. INFO.: GB 1999-1947 A 19990128
WO 2000-EP344 W 20000117
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 70 OF 117 MEDLINE on STN DUPLICATE 11
ACCESSION NUMBER: 2001038192 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10924499
TITLE: A human homolog of angiotensin-converting enzyme. **Cloning** and functional **expression** as a captopril-insensitive carboxypeptidase.
AUTHOR: Tipnis S R; Hooper N M; Hyde R; Karran E; Christie G; Turner A J
CORPORATE SOURCE: Proteolysis Research Group, School of Biochemistry and Molecular Biology, University of Leeds, Leeds, United Kingdom.. s.r.tipnis@leeds.ac.uk
SOURCE: Journal of biological chemistry, (2000 Oct 27) 275 (43) 33238-43.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF241254
ENTRY MONTH: 200011
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20001124

L10 ANSWER 71 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2000:523499 BIOSIS
DOCUMENT NUMBER: PREV200000523499

TITLE: Differential **expression** of matrix metalloprotease-7 in each component of uterine carcinosarcoma.
AUTHOR(S): Tanimoto, Hirotoshi; Shigemasa, Kazushi [Reprint author]; Sasaki, Makiko; Katayama, Hiroko; Kusumi, Ichiro; Parmley, Tim H.; O'Brien, Timothy J.; Ohama, Koso
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Hiroshima University School of Medicine, 1-2-3 Kasumi, Minami-ku, Hiroshima, 734-8551, Japan
SOURCE: Oncology Reports, (November-December, 2000) Vol. 7, No. 6, pp. 1209-1212. print.
ISSN: 1021-335X.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Nov 2000
Last Updated on STN: 11 Jan 2002

L10 ANSWER 72 OF 117 MEDLINE on STN DUPLICATE 12
ACCESSION NUMBER: 2001079658 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11050470
TITLE: The specific **expression** of three novel splice variant forms of **human metalloprotease** -like disintegrin-like cysteine-rich protein 2 gene inBrain tissues and gliomas.
AUTHOR: Harada T; Nishie A; Torigoe K; Ikezaki K; Shono T; Maehara Y; Kuwano M; Wada M
CORPORATE SOURCE: Department Biochemistry, Graduate School of Medical Sciences, Kyushu University, Higashi-ku, Fukuoka 812-8582, Japan.
SOURCE: Japanese journal of cancer research : Gann, (2000 Oct) 91 (10) 1001-6.
Journal code: 8509412. ISSN: 0910-5050.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200101
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20010111

L10 ANSWER 73 OF 117 MEDLINE on STN DUPLICATE 13
ACCESSION NUMBER: 2000391521 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10887142
TITLE: Molecular **cloning** and characterization of a **human metalloprotease** disintegrin--a novel marker for dendritic cell differentiation.
AUTHOR: Fritsche J; Moser M; Faust S; Peuker A; Buttner R; Andreesen R; Kreutz M
CORPORATE SOURCE: Department of Hematology/Oncology and the Institute of Pathology, University of Regensburg, Regensburg, Germany.
SOURCE: Blood, (2000 Jul 15) 96 (2) 732-9.
Journal code: 7603509. ISSN: 0006-4971.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
OTHER SOURCE: GENBANK-Y13786
ENTRY MONTH: 200008
ENTRY DATE: Entered STN: 20000824
Last Updated on STN: 20000824
Entered Medline: 20000817

L10 ANSWER 74 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

ACCESSION NUMBER: 2000:166775 BIOSIS
DOCUMENT NUMBER: PREV200000166775
TITLE: Induction of matrix metalloprotease-7 is common in mucinous ovarian tumors including early stage disease.
AUTHOR(S): Shigemasa, K. [Reprint author]; Tanimoto, H.; Sakata, K.; Nagai, N.; Parmley, T. H.; Ohama, K.; O'Brien, T. J.
CORPORATE SOURCE: Department of Obstetrics and Gynecology, Hiroshima University School of Medicine, 1-2-3, Kasumi, Minami-ku, Hiroshima, 734-8551, Japan
SOURCE: Medical Oncology (Basingstoke), (Feb., 2000) Vol. 17, No. 1, pp. 52-58. print.
ISSN: 1357-0560.
DOCUMENT TYPE: Article
LANGUAGE: English
ENTRY DATE: Entered STN: 3 May 2000
Last Updated on STN: 4 Jan 2002

L10 ANSWER 75 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:764233 HCAPLUS
DOCUMENT NUMBER: 132:19653
TITLE: Agent and method for modulation of cell migration involving regulation of Caenorhabditis elegans gon-1 gene activity
INVENTOR(S): Kimble, Judith E.; Blelloch, Robert H.
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation, USA
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9961656	A2	19991202	WO 1999-US11918	19990528
WO 9961656	A3	20010322		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2317697	AA	19991202	CA 1999-2317697	19990528
AU 9944091	A1	19991213	AU 1999-44091	19990528
AU 769366	B2	20040122		
EP 1100955	A2	20010523	EP 1999-927109	19990528
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002516118	T2	20020604	JP 2000-551036	19990528
US 2002102210	A1	20020801	US 1999-321987	19990528
US 6730820	B2	20040504		

PRIORITY APPLN. INFO.: US 1998-87170P P 19980529
US 1999-129023P P 19990413
WO 1999-US11918 W 19990528

L10 ANSWER 76 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:673064 HCAPLUS
DOCUMENT NUMBER: 131:308410
TITLE: Mammalian membrane metalloprotease NEPII and cDNA and screening for inhibitors useful in therapy
INVENTOR(S): Ouimet, Tanja; Gros, Claude; Rose, Christiane;

Bonhomme, Marie-Chantal; Facchinetti, Patricia; Schwartz, Jean-Charles
PATENT ASSIGNEE(S): Institut National de la Sante et de la Recherche Medicale (Inserm), Fr.
SOURCE: PCT Int. Appl., 38 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9953077	A1	19991021	WO 1999-FR807	19990407
W: CA, JP, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
FR 2777291	A1	19991015	FR 1998-4389	19980408
FR 2777291	B1	20000707		
CA 2325599	AA	19991021	CA 1999-2325599	19990407
EP 1068336	A2	20010117	EP 1999-911898	19990407
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002511271	T2	20020416	JP 2000-543624	19990407

PRIORITY APPLN. INFO.: FR 1998-4389 A 19980408
WO 1999-FR807 W 19990407
REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 77 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:529269 HCAPLUS
DOCUMENT NUMBER: 131:155324
TITLE: New metalloprotease-disintegrins SVPH3-13 and SVPH3-17 and cDNAs encoding them and their uses
INVENTOR(S): Cerretti, Douglas Pat
PATENT ASSIGNEE(S): Immunex Corporation, USA
SOURCE: PCT Int. Appl., 82 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9941388	A2	19990819	WO 1999-US3016	19990211
WO 9941388	A3	19991209		
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2320422	AA	19990819	CA 1999-2320422	19990211
AU 9932908	A1	19990830	AU 1999-32908	19990211
AU 751007	B2	20020808		
EP 1054982	A2	20001129	EP 1999-932512	19990211
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
JP 2002503472	T2	20020205	JP 2000-531569	19990211
NZ 506817	A	20030829	NZ 1999-506817	19990211

US 2003100091	A1	20030529	US 2002-202675		20020723
PRIORITY APPLN. INFO.:			US 1998-74310P	P	19980211
			WO 1999-US3016	W	19990211
			US 2000-634252	A3	20000807

L10 ANSWER 78 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1999:96371 HCAPLUS
DOCUMENT NUMBER: 130:164013
TITLE: **Cloning** and cDNA sequences of **human** aggrecan-degrading **metalloproteases**
INVENTOR(S): Arner, Elizabeth C.; Burn, Timothy C.; Copeland, Robert A.; Decicco, Carl P.; Liu, Ruiqin; Magolda, Ronald; Pratta, Michael; Solomon, Kimberly A.; Tortorella, Micky D.; Trzaskos, James M.; Yang, Fude
PATENT ASSIGNEE(S): Du Pont Pharmaceuticals Company, USA
SOURCE: PCT Int. Appl., 73 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9905291	A2	19990204	WO 1998-US15438	19980724
WO 9905291	A3	19990722		
W: AU, CA, IL, JP, MX, NZ				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
AU 9885131	A1	19990216	AU 1998-85131	19980724
EP 998572	A2	20000510	EP 1998-936003	19980724
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 2001511351	T2	20010814	JP 2000-504263	19980724
US 6326162	B1	20011204	US 1998-122127	19980724
US 6451575	B1	20020917	US 1998-122126	19980724
US 6521436	B1	20030218	US 2000-634286	20000809
US 2002168690	A1	20021114	US 2001-975813	20011012
US 2003108998	A1	20030612	US 2002-247685	20020919
US 6753176	B2	20040622		

PRIORITY APPLN. INFO.:	US 1997-53850P	P	19970725
	US 1997-55836P	P	19970815
	US 1997-62169P	P	19971016
	US 1998-122126	A3	19980724
	US 1998-122127	A3	19980724
	WO 1998-US15438	W	19980724
	US 2000-634286	A3	20000809

L10 ANSWER 79 OF 117 MEDLINE on STN DUPLICATE 14
ACCESSION NUMBER: 1999395124 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10464288
TITLE: ADAM-TS5, ADAM-TS6, and ADAM-TS7, novel members of a new family of zinc metalloproteases. General features and genomic distribution of the ADAM-TS family.
AUTHOR: Hurskainen T L; Hirohata S; Seldin M F; Apte S S
CORPORATE SOURCE: Department of Biomedical Engineering, Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, Ohio 44195, USA.
CONTRACT NUMBER: HGO0734 (NHGRI)
SOURCE: Journal of biological chemistry, (1999 Sep 3) 274 (36) 25555-63.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English

FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF140673; GENBANK-AF140674; GENBANK-AF140675; GENBANK-AF141293
ENTRY MONTH: 199910
ENTRY DATE: Entered STN: 19991014
Last Updated on STN: 20000303
Entered Medline: 19991007

L10 ANSWER 80 OF 117 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
ACCESSION NUMBER: 2000:29083 SCISEARCH
THE GENUINE ARTICLE: 257PM
TITLE: Molecular **cloning** and characterization of a **human metalloprotease** disintegrin - A novel marker for dendritic cell differentiation.
AUTHOR: Fritsche J (Reprint); Moser M; Faust S; Peuker A; Buttner R; Andreesen R; Kreutz M
CORPORATE SOURCE: UNIV REGENSBURG, INST PATHOL, D-8400 REGENSBURG, GERMANY
COUNTRY OF AUTHOR: GERMANY
SOURCE: BLOOD, (15 NOV 1999) Vol. 94, No. 10, Part 2, Supp. [1], pp. 3788-3788.
Publisher: AMER SOC HEMATOLOGY, 1200 19TH ST, NW, STE 300, WASHINGTON, DC 20036-2422.
ISSN: 0006-4971.
DOCUMENT TYPE: Conference; Journal
FILE SEGMENT: LIFE; CLIN
LANGUAGE: English
REFERENCE COUNT: 0

L10 ANSWER 81 OF 117 MEDLINE on STN DUPLICATE 15
ACCESSION NUMBER: 1999168985 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10068670
TITLE: Inflammatory cytokines and vascular endothelial growth factor stimulate the release of soluble tie receptor from **human** endothelial cells via **metalloprotease** activation.
AUTHOR: Yabkowitz R; Meyer S; Black T; Elliott G; Merewether L A; Yamane H K
CORPORATE SOURCE: Departments of Mammalian Cell Molecular Biology, Experimental Hematology, Protein Structure, and Protein Chemistry, Amgen Inc, Thousand Oaks, CA, USA.. rachel.yabkowitz@hmrag.com
SOURCE: Blood, (1999 Mar 15) 93 (6) 1969-79.
Journal code: 7603509. ISSN: 0006-4971.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Abridged Index Medicus Journals; Priority Journals
ENTRY MONTH: 199903
ENTRY DATE: Entered STN: 19990413
Last Updated on STN: 20021210
Entered Medline: 19990330

L10 ANSWER 82 OF 117 MEDLINE on STN DUPLICATE 16
ACCESSION NUMBER: 1999155098 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10037494
TITLE: cDNA **cloning** and molecular characterization of **human** brain **metalloprotease** MP100: a beta-secretase candidate?.
AUTHOR: Huber G; Thompson A; Gruninger F; Mechler H; Hochstrasser R; Hauri H P; Malherbe P
CORPORATE SOURCE: Pharma Division, Preclinical CNS Research, F. Hoffmann-La Roche Ltd., Basel, Switzerland.
SOURCE: Journal of neurochemistry, (1999 Mar) 72 (3) 1215-23.
Journal code: 2985190R. ISSN: 0022-3042.

PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199903
ENTRY DATE: Entered STN: 19990326
Last Updated on STN: 20000303
Entered Medline: 19990318

L10 ANSWER 83 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2000:82991 BIOSIS
DOCUMENT NUMBER: PREV200000082991
TITLE: **Expression** of MMP-2 (GELATINASE A) by transfection in PC-3 human prostate tumor cells.
AUTHOR(S): Wilson, M. J. [Reprint author]; Jiang, A.; Wiehr, C. [Reprint author]; Sinha, A. A. [Reprint author]; Pei, D.
CORPORATE SOURCE: Department of Lab. Med. and Pathology, Minneapolis VA Medical Center, University Minnesota, Minneapolis, MN, USA
SOURCE: European Urology, (Nov., 1999) Vol. 36, No. 5, pp. 495. print.
Meeting Info.: 3rd World Congress on Urological Research. Paris, France. September 30-October 3, 1999.
CODEN: EUURAV. ISSN: 0302-2838.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LANGUAGE: English
ENTRY DATE: Entered STN: 1 Mar 2000
Last Updated on STN: 3 Jan 2002

L10 ANSWER 84 OF 117 MEDLINE on STN DUPLICATE 17
ACCESSION NUMBER: 1999287583 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10360838
TITLE: **Cloning, expression**, and characterization of **human metalloprotease** 1: a novel member of the pitrilysin family of metalloendoproteases.
AUTHOR: Mzhavia N; Berman Y L; Qian Y; Yan L; Devi L A
CORPORATE SOURCE: Department of Pharmacology, New York University School of Medicine, NY 10016, USA.
CONTRACT NUMBER: DK 51271 (NIDDK)
NS 01788 (NINDS)
NS 26880 (NINDS)
+
SOURCE: DNA and cell biology, (1999 May) 18 (5) 369-80.
Journal code: 9004522. ISSN: 1044-5498.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF061243
ENTRY MONTH: 199907
ENTRY DATE: Entered STN: 19990714
Last Updated on STN: 20000303
Entered Medline: 19990701

L10 ANSWER 85 OF 117 MEDLINE on STN DUPLICATE 18
ACCESSION NUMBER: 1999372594 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10445422
TITLE: Tissue inhibitor of metalloprotease (TIMP)-1 and proliferative behaviour of **clonal** breast cancer cells.
AUTHOR: Luparello C; Avanzato G; Carella C; Pucci-Minafra I
CORPORATE SOURCE: Dipartimento di Biologia Cellulare e dello Sviluppo,

Universita, Palermo, Italy.
SOURCE: Breast cancer research and treatment, (1999 Apr) 54 (3) 235-44.
Journal code: 8111104. ISSN: 0167-6806.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199909
ENTRY DATE: Entered STN: 19991005
Last Updated on STN: 19991005
Entered Medline: 19990923

L10 ANSWER 86 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2000:46594 BIOSIS
DOCUMENT NUMBER: PREV200000046594
TITLE: Molecular **cloning** and characterization of a **human metalloprotease** disintegrin-A novel marker for dendritic cell differentiation.
AUTHOR(S): Fritsche, Jana [Reprint author]; Moser, Markus; Faust, Stefan [Reprint author]; Peuker, Alice; Buettner, Reinhard; Andreesen, Reinhard [Reprint author]; Kreutz, Marina [Reprint author]
CORPORATE SOURCE: Hematology/Oncology, University of Regensburg, Regensburg, Germany
SOURCE: Blood, (Nov. 15, 1999) Vol. 94, No. 10 SUPPL. 1 PART 2, pp. 139b. print.
Meeting Info.: Forty-first Annual Meeting of the American Society of Hematology. New Orleans, Louisiana, USA. December 3-7, 1999. The American Society of Hematology.
CODEN: BLOOAW. ISSN: 0006-4971.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 26 Jan 2000
Last Updated on STN: 31 Dec 2001

L10 ANSWER 87 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1998-06765 BIOTECHDS
TITLE: New **expression** vector for production of soluble protein;
vector plasmid construction for **expression** of e.g. human granulocyte-macrophage colony stimulating factor or a fusion protein in Escherichia coli
AUTHOR: Choi S I; Seong B L
PATENT ASSIGNEE: Hanil-Synth.Fiber
LOCATION: Kyoungsangnam, Korea.
PATENT INFO: WO 9814591 9 Apr 1998
APPLICATION INFO: WO 1997-KR186 4 Oct 1997
PRIORITY INFO: KR 1996-44010 4 Oct 1996
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1998-240092 [21]

L10 ANSWER 88 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:621299 HCAPLUS
DOCUMENT NUMBER: 129:240881
TITLE: **Human** matrix **metalloprotease** MMP-19 gene, proteins encoded therefrom and their diagnostic and therapeutic uses
INVENTOR(S): Falduto, Michael; Magnuson, Scott R.; Morgan, Douglas W.
PATENT ASSIGNEE(S): Abbott Laboratories, USA
SOURCE: PCT Int. Appl., 112 pp.

CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9840475	A1	19980917	WO 1998-US4694	19980311

W: CA, JP, MX
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE
PRIORITY APPLN. INFO.: US 1997-814394 A 19970311
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 89 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:604927 HCAPLUS
DOCUMENT NUMBER: 129:213525
TITLE: **Cloning** and cDNA sequences of **human** disintegrin **metalloproteases** and their use in screening for inhibitors useful to treat diseases
INVENTOR(S): Tindal, Michael Howard; Haqqi, Tariq Mehmood
PATENT ASSIGNEE(S): The Procter & Gamble Co., USA; Case Western Reserve University
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9837092	A2	19980827	WO 1998-US3490	19980225
WO 9837092	A3	19981105		

W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG

AU 9861817	A1	19980909	AU 1998-61817	19980225
EP 977775	A2	20000209	EP 1998-906648	19980225

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI

BR 9807766	A	20000222	BR 1998-7766	19980225
JP 2001514494	T2	20010911	JP 1998-536946	19980225
NO 9904056	A	19991025	NO 1999-4056	19990823
MX 9907840	A	20000131	MX 1999-7840	19990824

PRIORITY APPLN. INFO.: US 1997-810153 A 19970225
WO 1997-US3217 A 19970228
WO 1998-US3490 W 19980225

L10 ANSWER 90 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:779867 HCAPLUS
DOCUMENT NUMBER: 130:34001
TITLE: **Cloning** and cDNA sequence of **human** **metalloprotease** HTEGU07
INVENTOR(S): Clinkenbeard, Helen E.; Southan, Christopher D.; Burgess, Nicola Anne
PATENT ASSIGNEE(S): Smithkline Beecham PLC, UK
SOURCE: Eur. Pat. Appl., 20 pp.
CODEN: EPXXDW

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 881298	A2	19981202	EP 1998-303993	19980520
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 6090583	A	20000718	US 1998-82090	19980520
CA 2233554	AA	19981130	CA 1998-2233554	19980528
JP 11089586	A2	19990406	JP 1998-188018	19980529
PRIORITY APPLN. INFO.:			GB 1997-11310 A	19970530
			GB 1998-3690 A	19980220

L10 ANSWER 91 OF 117 MEDLINE on STN DUPLICATE 19
ACCESSION NUMBER: 1998282244 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9618175
TITLE: **Human metalloprotease**-disintegrin Kuzbanian regulates sympathoadrenal cell fate in development and neoplasia.
AUTHOR: Yavari R; Adida C; Bray-Ward P; Brines M; Xu T
CORPORATE SOURCE: Howard Hughes Medical Institute and Department of Genetics, Yale School of Medicine, Boyer Center for Molecular Medicine, 295 Congress Avenue, New Haven, CT 06536-0812, USA.
SOURCE: Human molecular genetics, (1998 Jul) 7 (7) 1161-7. Journal code: 9208958. ISSN: 0964-6906.
PUB. COUNTRY: ENGLAND: United Kingdom
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199901
ENTRY DATE: Entered STN: 19990128
Last Updated on STN: 20000303
Entered Medline: 19990112

L10 ANSWER 92 OF 117 LIFESCI COPYRIGHT 2004 CSA on STN
ACCESSION NUMBER: 1998:92365 LIFESCI
TITLE: **Human metalloprotease**-disintegrin Kuzbanian regulates sympathoadrenal cell fate in development and neoplasia
AUTHOR: Yavari, R.; Adida, C.; Bray-Ward, P.; Brines, M.; Xu, Tian
CORPORATE SOURCE: Howard Hughes Medical Institute, Yale School of Medicine, Boyer Center for Molecular Medicine, 295 Congress Avenue, New Haven, CT 06536-0812, USA
SOURCE: HUM. MOL. GENET., (19980500) vol. 88, no. 5, pp. 1161-1167. ISSN: 0331-949X.
DOCUMENT TYPE: Journal
FILE SEGMENT: G
LANGUAGE: English
SUMMARY LANGUAGE: English

L10 ANSWER 93 OF 117 MEDLINE on STN DUPLICATE 20
ACCESSION NUMBER: 1998137801 MEDLINE
DOCUMENT NUMBER: PubMed ID: 9469942
TITLE: ADAM 20 and 21; two novel **human** testis-specific membrane **metalloproteases** with similarity to fertilin-alpha.
AUTHOR: Hooft van Huijsduijnen R
CORPORATE SOURCE: Geneva Biomedical Research Institute, 14 Chemin des Aulx, Case Postale 674, 1228 Plan-les-Ouates, Geneva, Switzerland.. Rob.hooft@serono.com

SOURCE: Gene, (1998 Jan 12) 206 (2) 273-82.
Journal code: 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF029899; GENBANK-AF029900
ENTRY MONTH: 199803
ENTRY DATE: Entered STN: 19980410
Last Updated on STN: 20000303
Entered Medline: 19980327

L10 ANSWER 94 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:594742 HCAPLUS
DOCUMENT NUMBER: 127:273887
TITLE: **Cloning** and **expression** of **human** disintegrin **metalloprotease** cDNA and methods for screening for metalloprotease-associated disease and for metalloprotease inhibitors
INVENTOR(S): Tindal, Michael Howard; Haqqi, Tariq
PATENT ASSIGNEE(S): Procter & Gamble Co., USA; Case Western Reserve University; Tindal, Michael Howard; Haqqi, Tariq
SOURCE: PCT Int. Appl., 29 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9731931	A1	19970904	WO 1997-US3217	19970228
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2247827	AA	19970904	CA 1997-2247827	19970228
AU 9720617	A1	19970916	AU 1997-20617	19970228
EP 888375	A1	19990107	EP 1997-908799	19970228
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
JP 11506023	T2	19990602	JP 1997-531177	19970228
NZ 331844	A	20000623	NZ 1997-331844	19970228
AU 9861817	A1	19980909	AU 1998-61817	19980225
EP 977775	A2	20000209	EP 1998-906648	19980225
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, PT, IE, FI				
BR 9807766	A	20000222	BR 1998-7766	19980225
US 6255064	B1	20010703	US 1998-30335	19980225
JP 2001514494	T2	20010911	JP 1998-536946	19980225
NO 9803984	A	19981102	NO 1998-3984	19980828
NO 9904056	A	19991025	NO 1999-4056	19990823
MX 9907840	A	20000131	MX 1999-7840	19990824

PRIORITY APPLN. INFO.:		
US 1996-12679P	P	19960301
US 1997-810153	A	19970225
WO 1997-US3217	W	19970228
WO 1998-US3490	W	19980225

L10 ANSWER 95 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:440266 HCAPLUS
DOCUMENT NUMBER: 127:77922

TITLE: An autoantigenic metalloprotease involved in autoimmune disease and its use in the diagnosis of autoimmune diseases
INVENTOR(S): Krawinkel, Ulrich; Mauch, Simon; Sedlacek, Radislav
PATENT ASSIGNEE(S): Universitat Konstanz, Germany; Krawinkel, Ulrich; Mauch, Simon; Sedlacek, Radislav
SOURCE: PCT Int. Appl., 18 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9719178	A2	19970529	WO 1996-DE2094	19961104
W: CA, GB, JP, US				
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
DE 19543265	A1	19970605	DE 1995-19543265	19951120

PRIORITY APPLN. INFO.: DE 1995-19543265 19951120

L10 ANSWER 96 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:52641 HCAPLUS
DOCUMENT NUMBER: 128:189023
TITLE: Complementation **cloning** of S2P, a gene encoding a putative metalloprotease required for intramembrane cleavage of SREBPs
AUTHOR(S): Rawson, Robert B.; Zelenski, Nikolai G.; Nijhawan, Deepak; Ye, Jin; Sakai, Juro; Hasan, Mazahir T.; Chang, T. Y.; Brown, Michael S.; Goldstein, Joseph L.
CORPORATE SOURCE: Dep. Mol. Genet., Univ. Texas Southwest. Med. Cent., Dallas, TX, 75235, USA
SOURCE: Molecular Cell (1997), 1(1), 47-57
CODEN: MOCEFL
PUBLISHER: Cell Press
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 97 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1997:34387 HCAPLUS
DOCUMENT NUMBER: 126:102097
TITLE: Stimulation of matrix metalloproteinase production by **recombinant** extracellular matrix metalloproteinase inducer from transfected Chinese hamster ovary cells
AUTHOR(S): Guo, Huiming; Zucker, Stanley; Gordon, Marion K.; Toole, Bryan P.; Biswas, Chitra
CORPORATE SOURCE: Dep. Anat. Cell. Biol., Tufts Univ. Sch. Med., Boston, MA, 02111, USA
SOURCE: Journal of Biological Chemistry (1997), 272(1), 24-27
CODEN: JBCHA3; ISSN: 0021-9258
PUBLISHER: American Society for Biochemistry and Molecular Biology
DOCUMENT TYPE: Journal
LANGUAGE: English
REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L10 ANSWER 98 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1996-10418 BIOTECHDS
TITLE: Polynucleotide encoding human tissue inhibitor of metalloproteinase-4 (TIMP-4);

metalloprotease-4-inhibitor and antagonist for e.g. cancer, arthritis, bone disease, Paget's disease, hyperparathyroidism, cholesteatoma, tissue repair and remodeling therapy
AUTHOR: Greene J M; Rosen C A
PATENT ASSIGNEE: Hum.Genome-Sci.
LOCATION: Rockville, MD, USA.
PATENT INFO: WO 9618725 20 Jun 1996
APPLICATION INFO: WO 1994-US14498 13 Dec 1994
PRIORITY INFO: WO 1994-US14498 13 Dec 1994
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1996-300644 [30]

L10 ANSWER 99 OF 117 MEDLINE on STN DUPLICATE 21
ACCESSION NUMBER: 97045170 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8890235
TITLE: Activation of a 66-kilodalton **human** endothelial cell matrix **metalloprotease** by Streptococcus pyogenes extracellular cysteine protease.
AUTHOR: Burns E H Jr; Marciel A M; Musser J M
CORPORATE SOURCE: Section of Molecular Pathobiology, Department of Pathology, Baylor College of Medicine, Houston, Texas 77030, USA.
CONTRACT NUMBER: AI-33119 (NIAID)
SOURCE: Infection and immunity, (1996 Nov) 64 (11) 4744-50. Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 20000303
Entered Medline: 19970106

L10 ANSWER 100 OF 117 MEDLINE on STN DUPLICATE 22
ACCESSION NUMBER: 96373739 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8780030
TITLE: Monoclonal antibodies against the **human** **metalloprotease** EC 3.4.24.15 label neurofibrillary tangles in Alzheimer's disease brain.
AUTHOR: Conn K J; Pietropaolo M; Ju S T; Abraham C R
CORPORATE SOURCE: Department of Medicine, Boston University School of Medicine, Massachusetts 02118, USA.
CONTRACT NUMBER: AG 00001 (NIA)
AG 09905 (NIA)
SOURCE: Journal of neurochemistry, (1996 May) 66 (5) 2011-8. Journal code: 2985190R. ISSN: 0022-3042.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 20000303
Entered Medline: 19970114

L10 ANSWER 101 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1996:119747 HCAPLUS
DOCUMENT NUMBER: 124:282276
TITLE: MDC9, a widely **expressed** cellular disintegrin containing cytoplasmic SH3 ligand domains
AUTHOR(S): Weskamp, Gisela; Kratzschmar, Jorn; Reid, Martha S.; Blobel, Carl P.

CORPORATE SOURCE: Cellular Biochemistry and Biophysics Program, Memorial Sloan-Kettering Cancer Center, New York, NY, 10021, USA
SOURCE: Journal of Cell Biology (1996), 132(4), 717-26
CODEN: JCLBA3; ISSN: 0021-9525
PUBLISHER: Rockefeller University Press
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 102 OF 117 MEDLINE on STN DUPLICATE 23
ACCESSION NUMBER: 96384329 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8792217
TITLE: Purification, cDNA **cloning**, and developmental changes in the steady-state mRNA level of rat testicular tissue inhibitor of metalloproteases-2 (TIMP-2).
AUTHOR: Grima J; Calcagno K; Cheng C Y
CORPORATE SOURCE: Population Council, Center for Biomedical Research, New York, New York 10021, USA.
CONTRACT NUMBER: DK-07313 (NIDDK)
HD-13541 (NICHD)
SOURCE: Journal of andrology, (1996 May-Jun) 17 (3) 263-75.
Journal code: 8106453. ISSN: 0196-3635.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-S82718
ENTRY MONTH: 199611
ENTRY DATE: Entered STN: 19961219
Last Updated on STN: 19980206
Entered Medline: 19961121

L10 ANSWER 103 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:969547 HCAPLUS
DOCUMENT NUMBER: 124:2553
TITLE: **Human** matrix **metalloprotease** cDNAs, **recombinant** cells **expressing** these cDNAs, and their use in identifying enzyme effectors
INVENTOR(S): Will, Horst; Hinzmann, Bernd
PATENT ASSIGNEE(S): Max-Delbrueck-Centrum fuer Molekulare Medizin, Germany
SOURCE: Ger., 28 pp.
CODEN: GWXXAW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4438838	C1	19950928	DE 1994-4438838	19941021
WO 9525171	A2	19950921	WO 1995-DE357	19950317
WO 9525171	A3	19960222		
W: JP, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
EP 750672	A1	19970102	EP 1995-915743	19950317
EP 750672	B1	20011128		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
JP 10501962	T2	19980224	JP 1995-523779	19950317
AT 209684	E	20011215	AT 1995-915743	19950317
PT 750672	T	20020531	PT 1995-915743	19950317
ES 2168361	T3	20020616	ES 1995-915743	19950317
US 6114159	A	20000905	US 1996-704711	19961120
US 6399348	B1	20020604	US 2000-521220	20000308

PRIORITY APPLN. INFO.: DE 1994-4409663 A1 19940317
DE 1994-4438838 A 19941021
WO 1995-DE357 W 19950317
US 1996-704711 A1 19961120

L10 ANSWER 104 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1995:48948 HCAPLUS
DOCUMENT NUMBER: 122:24991
TITLE: ECE-1: a membrane-bound metalloprotease that catalyzes the proteolytic activation of big endothelin-1
AUTHOR(S): Xu, Dong; Emoto, Noriaki; Giaid, Adel; Slaughter, Clive; Kaw, Semiko; deWit, Damiane; Yanagisawa, Masashi
CORPORATE SOURCE: Southwestern Medical Center, University of Texas, Dallas, TX, 75235-9050, USA
SOURCE: Cell (Cambridge, MA, United States) (1994), 78(3), 473-85
CODEN: CELLB5; ISSN: 0092-8674
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 105 OF 117 MEDLINE on STN DUPLICATE 24
ACCESSION NUMBER: 95104423 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7805846
TITLE: Molecular characterization of human and bovine endothelin converting enzyme (ECE-1).
AUTHOR: Schmidt M; Kroger B; Jacob E; Seulberger H; Subkowski T; Otter R; Meyer T; Schmalzing G; Hillen H
CORPORATE SOURCE: Department of Pharmaceutical Research, BASF Aktiengesellschaft, Ludwigshafen, Germany.
SOURCE: FEBS letters, (1994 Dec 19) 356 (2-3) 238-43.
Journal code: 0155157. ISSN: 0014-5793.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Z35306; GENBANK-Z35307
ENTRY MONTH: 199501
ENTRY DATE: Entered STN: 19950215
Last Updated on STN: 20000303
Entered Medline: 19950127

L10 ANSWER 106 OF 117 MEDLINE on STN DUPLICATE 25
ACCESSION NUMBER: 94016841 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8105105
TITLE: CD13 (human aminopeptidase N) mediates human cytomegalovirus infection.
AUTHOR: Soderberg C; Giugni T D; Zaia J A; Larsson S; Wahlberg J M; Moller E
CORPORATE SOURCE: Department of Clinical Immunology, NOVUM, Karolinska Institute at Huddinge Hospital, Stockholm, Sweden.
CONTRACT NUMBER: CA-30206 (NCI)
SOURCE: Journal of virology, (1993 Nov) 67 (11) 6576-85.
Journal code: 0113724. ISSN: 0022-538X.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199311
ENTRY DATE: Entered STN: 19940117
Last Updated on STN: 20000303
Entered Medline: 19931124

L10 ANSWER 107 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 1994:130928 HCAPLUS
DOCUMENT NUMBER: 120:130928
TITLE: A novel metalloprotease/disintegrin-like gene at 17q21.3 is somatically rearranged in two primary breast cancers
AUTHOR(S): Emi, Mitsuru; Katagiri, Toyomasa; Harada, Yousuke; Saito, Hiroko; Inazawa, Johji; Ito, Isao; Kasumi, Fujio; Nakamura, Yusuke
CORPORATE SOURCE: Dep. Biochem., Cancer Inst., Tokyo, 170, Japan
SOURCE: Nature Genetics (1993), 5(2), 151-7
CODEN: NGENEC; ISSN: 1061-4036
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 108 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:79258 HCAPLUS
DOCUMENT NUMBER: 116:79258
TITLE: Transition-state structural features for the association of metalloproteases with phosphorus-containing inhibitors
AUTHOR(S): Izquierdo-Martin, Maria; Stein, Ross L.
CORPORATE SOURCE: Dep. Enzymol., Merck, Sharp, and Dohem Res. Lab., Rahway, NJ, 07065, USA
SOURCE: Journal of the American Chemical Society (1992), 114(4), 1527-8
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 109 OF 117 MEDLINE on STN DUPLICATE 26
ACCESSION NUMBER: 91156719 MEDLINE
DOCUMENT NUMBER: PubMed ID: 2000398
TITLE: Angiotensin II induces secretion of plasminogen activator inhibitor 1 and a tissue metalloprotease inhibitor-related protein from rat brain astrocytes.
AUTHOR: Olson J A Jr; Shiverick K T; Ogilvie S; Buhi W C; Raizada M K
CORPORATE SOURCE: Department of Pharmacology and Therapeutics, University of Florida College of Medicine, Gainesville 32610.
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1991 Mar 1) 88 (5) 1928-32.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199104
ENTRY DATE: Entered STN: 19910428
Last Updated on STN: 19980206
Entered Medline: 19910411

L10 ANSWER 110 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1992:22482 BIOSIS
DOCUMENT NUMBER: PREV199242010182; BR42:10182
TITLE: EFFECTS OF INTERLEUKIN 1-BETA IL-1 AND TUMOR NECROSIS FACTOR-ALPHA TNF ON **HUMAN** GINGIVAL FIBROBLAST **METALLOPROTEASE METALLOPROTEASE** INHIBITOR GENE **EXPRESSION**.
AUTHOR(S): ROSENBLOOM J [Reprint author]; KUCICH U
CORPORATE SOURCE: UNIV PENN SCH DENTAL MED, PHILADELPHIA, PA 19104, USA
SOURCE: Cytokine, (1991) Vol. 3, No. 5, pp. 503.
Meeting Info.: THIRD INTERNATIONAL WORKSHOP ON CYTOKINES, STRESA, ITALY, NOVEMBER 10-14, 1991. CYTOKINE.
CODEN: CYTIE9. ISSN: 1043-4666.

DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 18 Dec 1991
Last Updated on STN: 6 Mar 1992

L10 ANSWER 111 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1991:401915 BIOSIS
DOCUMENT NUMBER: PREV199141063760; BR41:63760
TITLE: CHARACTERIZATION OF EXTRACELLULAR PROTEASES AFFECTING SOLUBLE CD4 ACCUMULATION BY **RECOMBINANT** STREPTOMYCES-LIVIDANS.
AUTHOR(S): DONOVAN M J [Reprint author]; BRAWNER M; GERBER R; KELLER J; TAYLOR D; ARCURI E
CORPORATE SOURCE: SMITHKLINE BEECHAM LAB, PHILADELPHIA, PA, USA
SOURCE: Abstracts of the General Meeting of the American Society for Microbiology, (1991) Vol. 91, pp. 259.
Meeting Info.: 91ST GENERAL MEETING OF THE AMERICAN SOCIETY FOR MICROBIOLOGY, DALLAS, TEXAS, USA, MAY 5-9, 1991. ABSTR GEN MEET AM SOC MICROBIOL.
ISSN: 1060-2011.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 31 Aug 1991
Last Updated on STN: 31 Aug 1991

L10 ANSWER 112 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1992:65299 BIOSIS
DOCUMENT NUMBER: PREV199242029199; BR42:29199
TITLE: DIFFERENTIAL REGULATION OF TIMP-1 AND TIMP-2 MRNA **EXPRESSION** IN NORMAL AND RAS-TRANSFORMED MURINE FIBROBLASTS.
AUTHOR(S): LECO K J [Reprint author]; HAYDEN L J; SHARMA R R; ROCHELEAU H; GREENBERG A H; EDWARDS D R
CORPORATE SOURCE: DEP PHARMACOL AND THERAPEUTICS, HEALTH SCI CENT, UNIV CALGARY, 3330 HOSPITAL DRIVE NW, CALGARY, ALBERTA T2N 4N1, CANADA
SOURCE: Journal of Cell Biology, (1991) Vol. 115, No. 3 PART 2, pp. 138A.
Meeting Info.: ABSTRACTS OF PAPERS PRESENTED AT THE THIRTY-FIRST ANNUAL MEETING OF THE AMERICAN SOCIETY FOR CELL BIOLOGY, BOSTON, MASSACHUSETTS, USA, DECEMBER 8-12, 1991. J CELL BIOL.
CODEN: JCLBA3. ISSN: 0021-9525.
DOCUMENT TYPE: Conference; (Meeting)
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 21 Jan 1992
Last Updated on STN: 21 Jan 1992

L10 ANSWER 113 OF 117 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 1991:375932 BIOSIS
DOCUMENT NUMBER: PREV199141048322; BR41:48322
TITLE: REFOLDING OF **RECOMBINANT** PROTEINS.
AUTHOR(S): KOHNO T [Reprint author]; CARMICHAEL D F; SOMMER A; THOMPSON R C
CORPORATE SOURCE: SYNERGEN INC, BOULDER, COLO 80303, USA
SOURCE: Methods Enzymol., (1990) pp. 187-196. GOEDDEL, D. V. (ED.). METHODS IN ENZYMOLOGY, VOL. 185. GENE EXPRESSION TECHNOLOGY. XXXI+681P. ACADEMIC PRESS, INC.: SAN DIEGO, CALIFORNIA, USA; LONDON, ENGLAND, UK. ILLUS.
Publisher: Series: Methods in Enzymology.
CODEN: MENZAU. ISSN: 0076-6879. ISBN: 0-12-182086-6.

DOCUMENT TYPE: Book
FILE SEGMENT: BR
LANGUAGE: ENGLISH
ENTRY DATE: Entered STN: 17 Aug 1991
Last Updated on STN: 17 Aug 1991

L10 ANSWER 114 OF 117 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 1990-00669 BIOTECHDS
TITLE: Transformation of lymphoid cell lines; glutamine-synthetase selectable marker gene **cloning** and **expression** in mammal cell culture; vector construction; potential application in chimeric antibody construction
PATENT ASSIGNEE: Celltech
PATENT INFO: EP 338841 25 Oct 1989
APPLICATION INFO: EP 1989-303964 18 Apr 1989
PRIORITY INFO: GB 1988-9129 18 Apr 1988
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 1989-311268 [43]

L10 ANSWER 115 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1989:491472 HCAPLUS
DOCUMENT NUMBER: 111:91472
TITLE: cDNA **cloning** and complete primary structure of the small, active subunit of human carboxypeptidase N (kininase 1)
AUTHOR(S): Gebhard, Wolfgang; Schube, Matthias; Eulitz, Manfred
CORPORATE SOURCE: Chir. Klin. Innenstadt, Univ. Munchen, Munich, D-8000/2, Fed. Rep. Ger.
SOURCE: European Journal of Biochemistry (1989), 178(3), 603-7
CODEN: EJBCAI; ISSN: 0014-2956
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 116 OF 117 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1989:433313 HCAPLUS
DOCUMENT NUMBER: 111:33313
TITLE: Systemic administration of TIMP in the treatment of collagen-induced arthritis in mice
AUTHOR(S): Carmichael, D. F.; Stricklin, G. P.; Stuart, J. M.
CORPORATE SOURCE: Synergen Inc., Boulder, CO, 80301, USA
SOURCE: Agents and Actions (1989), 27(3-4), 378-9
CODEN: AGACBH; ISSN: 0065-4299
DOCUMENT TYPE: Journal
LANGUAGE: English

L10 ANSWER 117 OF 117 MEDLINE on STN DUPLICATE 27
ACCESSION NUMBER: 88016164 MEDLINE
DOCUMENT NUMBER: PubMed ID: 3477804
TITLE: Human skin fibroblast stromelysin: structure, glycosylation, substrate specificity, and differential **expression** in normal and tumorigenic cells.
AUTHOR: Wilhelm S M; Collier I E; Kronberger A; Eisen A Z; Marmer B L; Grant G A; Bauer E A; Goldberg G I
CORPORATE SOURCE: Department of Medicine, Washington University School of Medicine, St. Louis, MO 63110.
CONTRACT NUMBER: AM12129 (NIADDK)
AR19537 (NIAMS)
TO-AM07284 (NIADDK)
SOURCE: Proceedings of the National Academy of Sciences of the United States of America, (1987 Oct) 84 (19) 6725-9.
Journal code: 7505876. ISSN: 0027-8424.
PUB. COUNTRY: United States

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DOCUMENT TYPE:      Journal; Article; (JOURNAL ARTICLE)
LANGUAGE:           English
FILE SEGMENT:       Priority Journals
ENTRY MONTH:        198711
ENTRY DATE:         Entered STN: 19900305
                    Last Updated on STN: 20000303
                    Entered Medline: 19871104


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E3          798 --> WEI M/AU
E4            6     WEI M A/AU
E5           90     WEI M C/AU
E6           69     WEI M D/AU
E7            4     WEI M E/AU
E8            9     WEI M F/AU
E9            5     WEI M G/AU
E10         133     WEI M H/AU
E11           1     WEI M H Y/AU
E12           1     WEI M I/AU

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L11        1114 ("WEI M"/AU OR "WEI M A"/AU OR "WEI M C"/AU OR "WEI M D"/AU OR
                "WEI M E"/AU OR "WEI M F"/AU OR "WEI M G"/AU OR "WEI M H"/AU)

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E2            1     YAN BY ZHANQING/AU
E3         1023 --> YAN C/AU
E4            2     YAN C B/AU
E5          123     YAN C C/AU
E6            6     YAN C C S/AU
E7            3     YAN C CHAN/AU
E8           16     YAN C D/AU
E9            1     YAN C D L/AU
E10          19     YAN C F/AU
E11          46     YAN C G/AU
E12         451     YAN C H/AU

=> s e3
L12        1023 "YAN C"/AU

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E1            1     DIFRANCESCO U/AU
E2            1     DIFRANCESCO U M/AU
E3           96 --> DIFRANCESCO V/AU
E4           16     DIFRANCESCO VALENTINA/AU
E5            1     DIFRANCESCOL/AU
E6            1     DIFRANCESO D/AU
E7            2     DIFRANCESO L/AU
E8            1     DIFRANCESO R/AU
E9            1     DIFRANCESO ROBIN/AU
E10           1     DIFRANCESSO L/AU
E11           6     DIFRANCIA C/AU
E12           4     DIFRANCIA CELENE/AU

=> s e3-e4
L13         112 ("DIFRANCESCO V"/AU OR "DIFRANCESCO VALENTINA"/AU)

=> e beasley e m/au
E1            1     BEASLEY E H/AU
E2            6     BEASLEY E L/AU
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E4            7     BEASLEY E O/AU
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E7            4     BEASLEY E W/AU
E8            2     BEASLEY E W 3RD/AU
E9            2     BEASLEY E W III/AU
E10           1     BEASLEY E W JR/AU
E11           1     BEASLEY EDWARD E/AU
E12           1     BEASLEY EDWARD EVANS/AU

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L14         298 "BEASLEY E M"/AU

=> d his

     (FILE 'HOME' ENTERED AT 10:03:36 ON 16 JUL 2004)

     FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS,
     LIFESCI' ENTERED AT 10:04:01 ON 16 JUL 2004
L1        18587 S METALLOPROTEASE?
L2          343 S HUMAN(3W) L1
L3      6609293 S CLON? OR EXPRESS? OR RECOMBINANT
L4          219 S L2 AND L3
L5      1737703 S LUNG OR AMYGDALA OR ADRENAL(A)GLAND
L6       725325 S HIPPOCAMPUS OR FETUS
L7      2405398 S L5 OR L6
L8           34 S L4 AND L7
L9           21 DUP REM L8 (13 DUPLICATES REMOVED)
L10         117 DUP REM L4 (102 DUPLICATES REMOVED)
                E WEI M/AU
L11        1114 S E3-E10
                E YAN C/AU
L12        1023 S E3
                E DIFRANCESCO V/AU
L13         112 S E3-E4
                E BEASLEY E M/AU
L14         298 S E3

=> s l10 or l11 or l12 pr l13 or l14
MISSING OPERATOR L12 PR
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s l10 or l11 or l12 or l13 or l14
L15       2480 L10 OR L11 OR L12 OR L13 OR L14

=> s l4 and l15
L16        117 L4 AND L15

=> s zinc or "zn"
L17    1133713 ZINC OR "ZN"

=> s l16 and l17
L18         24 L16 AND L17

=> dup rem l18
PROCESSING COMPLETED FOR L18
L19          24 DUP REM L18 (0 DUPLICATES REMOVED)

=> d 1-24 ibib ab

L19  ANSWER 1 OF 24      MEDLINE on STN
ACCESSION NUMBER:   2003520612      MEDLINE
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DOCUMENT NUMBER: PubMed ID: 12941954
TITLE: Phorbol 12-myristate 13-acetate-induced ectodomain shedding and phosphorylation of the **human** meprinbeta **metalloprotease**.
AUTHOR: Hahn Dagmar; Pischitzis Anastassios; Roesmann Sandra; Hansen Marianne K; Leuenberger Boris; Luginbuehl Ursula; Sterchi Erwin E
CORPORATE SOURCE: Institute of Biochemistry and Molecular Biology and Department of Pediatrics, Berne University, 3012 Berne, Switzerland.
SOURCE: Journal of biological chemistry, (2003 Oct 31) 278 (44) 42829-39.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200312
ENTRY DATE: Entered STN: 20031106
Last Updated on STN: 20031225
Entered Medline: 20031224

AB Shedding of proteins localized at the cell surface is an important regulatory step in the function of many of these proteins. Human meprin (N-benzoyl-l-tyrosyl-p-aminobenzoic acid hydrolase, PPH, EC 3.4.24.18) a **zinc**-metalloendopeptidase of the astacin family is an oligomeric protein complex of alpha- and beta-subunits and is **expressed** abundantly in the intestine and kidney as well as in leukocytes of the lamina propria and in cancer cells. In transfected cells intracellular proteolytic removal of the membrane anchor results in the secretion of the meprin alpha-subunit. In rats and mice, the beta-subunit exists in a membrane-anchored form. In contrast, human meprinbeta is constitutively converted into a secretable form. We now show that phorbol 12-myristate 13-acetate (PMA) stimulates an increased release of hmeprinbeta from transfected COS-1 cells, whereas hmeprinalpha secretion is not influenced. This stimulatory effect is inhibited by the protein kinase C (PKC) inhibitor staurosporine, suggesting that activation of PKC mediates PMA-induced hmeprinbeta shedding. The use of different protease inhibitors shows that two different metalloprotease activities are responsible for the constitutive and the PMA-stimulated hmeprinbeta shedding. We identified tumor necrosis factor alpha-converting enzyme (TACE or ADAM17) as the protease that mediates the PMA-induced release. We also demonstrate that hmeprinbeta is phosphorylated by PMA treatment on Ser687 within a PKC consensus sequence in the cytosolic domain of the protein. This phosphorylation of hmeprinbeta is not, however, implicated in the enhanced secretion by PMA treatment.

L19 ANSWER 2 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:549785 HCAPLUS
DOCUMENT NUMBER: 139:174618
TITLE: Identification of a human cDNA sequence which encodes a novel membrane-associated protein containing a **zinc** metalloprotease motif
AUTHOR(S): Bao, Ying-Chun; Tsuruga, Hiromichi; Hirai, Momoki; Yasuda, Kazuki; Yokoi, Norihide; Kitamura, Toshio; Kumagai, Hidetoshi
CORPORATE SOURCE: Division of Cell Therapy, Division of hematopoietic Factors, Institute of Medical Science, University of Tokyo, Tokyo, Japan
SOURCE: DNA Research (2003), 10(3), 123-128
CODEN: DARSE8; ISSN: 1340-2838
PUBLISHER: Universal Academy Press
DOCUMENT TYPE: Journal
LANGUAGE: English

AB We report the **cloning** and characterization of a human cDNA

predicted to encode a novel hydrophobic protein containing four transmembrane domains and a **zinc** metalloprotease motif, HEXXH, between the third and fourth transmembrane domains, and have named the mol. metalloprotease-related protein-1 (MPRP-1). The MPRP-1 gene was localized to chromosome 1-p32.3 by radiation hybrid mapping, and Northern blot anal. revealed **expression** in many organs, with strong **expression** in the heart, skeletal muscle, kidney and liver. Immunohistochem. anal. showed that MPRP-1 was localized in the endoplasmic reticulum (ER), and not in the Golgi compartment. Fragments of DNA encoding a segment homologous to the HEXXH motif of MPRP-1 are widely found in bacteria, yeast, plants, and animals. These results suggest that the MPRP-1 may have highly conserved functions, such as in intracellular proteolytic processing in the ER.

REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 3 OF 24 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2003:64532 BIOSIS
DOCUMENT NUMBER: PREV200300064532
TITLE: The ADAMs family of metalloproteases: Multidomain proteins with multiple functions.
AUTHOR(S): Seals, Darren F.; Courtneidge, Sara A. [Reprint Author]
CORPORATE SOURCE: Van Andel Research Institute, Grand Rapids, MI, 49503, USA sara.courtneidge@vai.org
SOURCE: Genes & Development, (January 1 2003) Vol. 17, No. 1, pp. 7-30. print.
CODEN: GEDEEP. ISSN: 0890-9369.
DOCUMENT TYPE: Article
General Review; (Literature Review)
LANGUAGE: English
ENTRY DATE: Entered STN: 29 Jan 2003
Last Updated on STN: 29 Jan 2003

L19 ANSWER 4 OF 24 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-11785 BIOTECHDS
TITLE: Detecting compounds that modulate a cellular response to ultraviolet radiation exposure, involves contacting the cell with a test compound and exposing the cell to the radiation; cell response modulation, UV radiation, RNA molecule measurement, human **recombinant** protein **expression** and DNA array useful for drug screening, and disease
AUTHOR: BLUMENBERG M
PATENT ASSIGNEE: UNIV NEW YORK STATE
PATENT INFO: WO 2002020846 14 Mar 2002
APPLICATION INFO: WO 2000-US28040 8 Sep 2000
PRIORITY INFO: US 2000-231454 8 Sep 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-292272 [33]
AB DERWENT ABSTRACT:
NOVELTY - Detecting a compound that modulates a response of a cell to ultraviolet radiation exposure, comprising contacting the cell with the compound, exposing the cell to ultraviolet radiation that would otherwise induce the response, and measuring the levels of RNA molecules in the cell for at least one time point after exposure, is new.
DETAILED DESCRIPTION - Detecting a compound that modulates a response of a cell to ultraviolet radiation exposure, comprising contacting the cell with the compound, exposing the cell to ultraviolet radiation that would otherwise induce the response, and measuring the levels of RNA molecules in the cell for at least one time point after exposure, is new. The response is an **expression** pattern comprising altered **expression** of: (a) nucleic acids encoding a transcription factor, a signal transduction protein, and a mitochondrial

protein; (b) nucleic acids encoding a secreted growth factor, a cytokine, and a chemokine; and/or (c) nucleic acids encoding an actin-binding protein, a desmosomal protein, and a tubulin protein. INDEPENDENT CLAIMS are also included for the following: (1) detecting a compound that modulates a cell response to ultraviolet radiation exposure, comprising: (a) contacting the cell with the compound; (b) exposing the cell to ultraviolet radiation that would normally cause altered **expression** of: (i) a transcription factor protein, a signal transduction protein, and a mitochondrial protein; (ii) a secreted growth factor, a cytokine protein, and a chemokine protein; and/or (iii) an actin-binding protein, a desmosomal protein, and a tubulin protein; (c) measuring the level of protein molecules in the cell for at least one time point after exposure; (2) detecting a compound that stimulates a response of a cell to ultraviolet radiation exposure, comprising: (a) contacting the cell with the compound; (b) measuring the level of an RNA, or a protein molecule in the cell; and (c) determining if the level is similar to that found in a cell exposed to ultraviolet radiation, where the RNA response detected is the same as the novel method, and the protein **expression** response is the same as method (1); (3) the novel method where the levels of RNA molecules are determined by gene array **expression** analysis; (4) the method of (1) where the levels of proteins are determined by gene array **expression** analysis; and (5) a pharmaceutical composition comprising a compound identified by the novel method, or the method of (1)-(5).

BIOTECHNOLOGY - Preferred Method: The cell is contacted with the compound in vivo, or in vitro. The irradiation is energy at a wavelength of 220-440, preferably 290-320, or 320-440 nm. The exposure comprises a total energy of 0.2-40 mJ/cm2. The protein is encoded by, and the nucleic acid **expressed** is: M62831 Human transcription factor ETR101 mRNA complete cds, X68277 H. sapiens CL 100 mRNA for protein tyrosine phosphatase, L04731 H. sapiens translocation T(4:11) of ALL-1 gene to chromosome 4, X56681 Human junD mRNA, U20734 Human transcription factor jubB gene, 5' region and complete cds, L38951 H. sapiens importin-beta subunit mRNA, complete cds, D87071 Human mRNA for KIAA0233 gene, complete cds, M72885 Human GOS2 gene, 5' flank and cds, M92843 H. sapiens **zinc** finger transcriptional regulator mRNA, complete cds, S81914 IEX-1=radiation-inducible immediate-early gene, U72649 Human BTG2 mRNA, complete cds, D86988 Human mRNA for KIAA0221 gene, complete cds, L19779 H. sapiens histone H2A.2 mRNA, complete cds, U62317 Chromosome 22q13 BAC **clone** CIT987SK-384D8 complete sequence, X04412 Human mRNA for plasma gelsolin, L27706 Human chaperonin protein gene complete cds, X61123 Human BTG1 mRNA, M60974 growth arrest and DNA-damage-inducible protein mRNA, complete cds, L19437 Human transaldolase mRNA containing transposable element, complete cds, X57985 H. sapiens gene for histones H2B.1 and H2A, D90086 Human pyruvate dehydrogenase-beta subunit gene, exons 1-10, M34182 Human testis-specific protein kinase-gamma subunit mRNA, complete cds, L16863 H. sapiens G protein-coupled receptor kinase mRNA, complete cds, D13705 Human mRNA for fatty acids omega hydroxylase complete cds, U37122 Human adducin-gamma subunit mRNA, complete cds, D45906 H. sapiens mRNA for LIMK-2, complete cds, U07664 Human HB9 homeobox gene, exons 2 and 3 and complete cds, D87438 Human mRNA for KIAA0251 gene, partial cds, L37042 H. sapiens casein kinase I alpha isoform mRNA, complete cds, D14043 Human mRNA for MGC-24, complete cds, D13988 Human rab GDI mRNA, complete cds, U28480 Uncoupling Protein Uc, D50840 H. sapiens mRNA for ceramide glucosyltransferase, complete cds, M55265 Human casein kinase II-alpha subunit mRNA, complete cds, M96803 Human general beta-spectrin mRNA, compete cds, U89336 Human HLA class III region containing NOTCH4 gene, partial sequence, homeobox P, D87442 Human mRNA for KIAA0253 gene, partial cds, J03161 Human serum response factor mRNA, complete cds, D86965 Human mRNA for KIAA0210 gene, complete cds, U17327 Human neuronal nitric oxide synthase-1 mRNA, complete cds, D86966 H. sapiens mRNA for KIAA0211 gene, complete cds, D85527 H. sapiens mRNA for LIM domain, partial cds, U42031 Human 54 kDa progesterone receptor-associated immunophilin FKBP54 mRNA, partial, X59434 Human rohu

mRNA for rhodese, M13929 Human c-yc-P64 mRNA initiating from promoter P0 partial cds, J05211 Desmoplakin, M57731 Human gro-beta mRNA, complete cds, S81914 IEX-1=radiation-inducible immediate-early gene, Y00787 Human mRNA for MDNCF, X54489 Human gene for melanoma growth stimulatory activity, M72885 Human GOS2 gene, 5' flank and cds, M62831 Human transcription factor ETR101 mRNA, complete cds, M28130 Human interleukin-8 gene, complete cds, X57985 H. sapiens gene for histone H2B.1 and H2A, X53800 Human mRNA for macrophage inflammatory protein-2 beta, L19779 H. sapiens IPL mRNA, complete cds, AF001294 H. sapiens IPL mRNA, complete cds, X56681 Human junD mRNA, S75763 Oncogene Tls/Chop, fusion activate, M84739 Human autoantigen calreticulin mRNA, complete cds, M21302 Human small protein rich protein mRNA, **clone** 174N, V00599 Tubulin, Bet, X70326 Macmarck, D10923 Human mRNA for HM74, D64142 Human mRNA for histone H1x, complete cds, D86974 Human mRNA for KIAA0220 gene, partial cds, M60974 Human growth arrest and DNA-damage-inducible protein, X68277 H. sapiens CL100 mRNA for protein tyrosine phosphatase, L13391 Human helix-loop-helix basic phosphoprotein gene, complete cds, M31627 Human X box binding protein-1 mRNA, complete cds, U40369 Human spermidine/spermine N1-acetyltransferase gene, complete cds, X52560 nuclear factor, nf-II, X61123 Human BTG1 mRNA, U20734 Human transcription factor junB gene, 5' region and complete cds, U35048 Human TSC022 protein mRNA, complete cds, M69043 H. sapiens MAD-3 mRNA encoding IkB-like activity, complete cds, X51345 Human junB mRNA, S68616 Na+/H+ exchanger NHE-1 isoform, X89750 H. sapiens mRNA for TGIF protein, X69111 H. sapiens HLH 1R21 mRNA, U14603 Human protein-tyrosine phosphatase mRNA, partial sequence, X52541 Human mRNA for early growth response protein 1, D50683 H. sapiens mRNA for TGF-beta IIR-alpha, complete cds, M92843 H. sapiens **zinc** finger transcriptional regulator mRNA, complete cds, X91247 H. sapiens mRNA for thioredoxin reductase, U05875 Human **clone** pSK1 interferon-gamma receptor accessory factor-1, mRNA, L19314 Human HRY gene, complete cds, M30703 Human amphiregulin gene exon 6, **clones** lambda-ATH(6,12), U34252 Human gamma-aminobutyraldehyde dehydrogenase mRNA, complete cds, S78825 Id1, D85429 H. sapiens gene for heat shock protein 40, complete cds, U41766 **Human metalloprotease** /disintegrin/cysteine-rich protein precursor mRNA, U89336 Human HLA class III region containing NOTCH4 gene, partial sequence, homeobox PB, M69181 Human nonmuscle myosin heavy chain-B mRNA, partial cds, D15050 Human mRNA for transcription factor AREB6, complete cds, U28386 Human nuclear localization sequence receptor hSRP1-alpha mRNA, complete cds, L77886 Human protein tyrosine phosphatase mRNA, complete cds, X64330 H. sapiens mRNA for ATP-citrate lyase, U37122 Human adducin-gamma subunit mRNA, complete cds, X74008 H. sapiens mRNA for protein phosphatase-1 gamma, U60205 Human methyl sterol oxidase mRNA, complete cds, X76534 H. sapiens NMB mRNA, D87071 Human mRNA for KIAA0233, U90716 Human cell surface protein HCAR mRNA, complete cds, M91083 Human DNA-binding protein mRNA, complete cds, U29607 Human methionine aminopeptidase mRNA, complete cds, or one of 262 sequences, given in the specification. The cell is an epidermal cell, or preferably a keratinocyte, a Langerhans cell, a melanocyte or a fibroblast cell. The RNA or protein is isolated 0.5-2, 4-8 or 16-24 hours post-radiation. The contact is topical. The levels of proteins are measured by enzyme linked immunosorbent assay (ELISA).

ACTIVITY - Cytostatic; Dermatological. No biological data is given.

MECHANISM OF ACTION - Ultraviolet radiation exposure response modulator.

USE - For detecting compounds which modulates cellular response to ultraviolet radiation exposure, useful for identifying pharmaceuticals (claimed), e.g. against cancer, or premature aging.

EXAMPLE - No relevant examples are given.(459 pages)

L19 ANSWER 5 OF 24 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2003-12920 BIOTECHDS
TITLE: New **human zinc metalloprotease** enzymes and nucleic acids encoding them, useful as models in developing and identifying human therapeutics, or as targets

for developing therapeutic agents that modulate enzyme activity;
virus vector plasmid, phage-mediated gene transfer and **expression** in host cell for use in disease diagnosis

AUTHOR: **WEI M**; **YAN C**; DI FRANCESCO V; **BEASLEY E M**
PATENT ASSIGNEE: APPLERA CORP
PATENT INFO: US 6482629 19 Nov 2002
APPLICATION INFO: US 2001-819989 29 Mar 2001
PRIORITY INFO: US 2001-819989 29 Mar 2001; US 2001-819989 29 Mar 2001
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2003-298138 [29]

AB DERWENT ABSTRACT:

NOVELTY - An isolated nucleic acid molecule (I) comprising a sequence encoding an 811 amino acid sequence (P1), given in the specification or at least 99% identity to P1 and having a **human zinc metalloprotease** activity, a 3377 (S1) or 19650 (S2) base pair sequence, given in the specification, or a sequence having at least 99 % identity to S1 and encoding a **human zinc metalloprotease**, residues 114-2546 of S1, and a sequence complementary to them, is new.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for: (1) a nucleic acid vector comprising (I); (2) a host cell containing the vector of (1); (3) producing a polypeptide comprising a host cell under conditions for the production of the polypeptide, and recovering the polypeptide; and (4) an isolated polynucleotide consisting of S1 or S2.

WIDER DISCLOSURE - Antibodies that selectively bind to the peptides, and nucleic acid arrays comprising the **human zinc metalloprotease** nucleic acids.

BIOTECHNOLOGY - Preferred Vector: The vector is a plasmid, a virus or a bacteriophage. The isolated nucleic acid is inserted into the vector in an orientation and in a reading frame such that a polypeptide comprising P1 may be **expressed** by a cell transformed with the vector. The isolated nucleic acid is operatively linked to a promoter sequence.

USE - The **human zinc metalloprotease** and nucleic acids encoding them are useful as models in the development of human therapeutics, in the identification of therapeutic proteins, as targets for the development of human therapeutic agents that modulate enzyme activity in cells and tissues **expressing** the enzyme, and as query sequences for sequence database searches for the identification of other family members or related sequences. The proteins may further be used to raise antibodies or to elicit another immune response, as a reagent in assays to quantitatively determine protein levels in biologic fluids, as markers for tissues in which the corresponding protein is **expressed**, as a target for diagnosing a disease or predisposition to a disease-mediated by the peptide, and for treating a disorder characterized by an absence or unwanted **expression** of the protein. The nucleic acids are useful as probes and primers, for constructing **recombinant** vectors, for monitoring effectiveness of modulating compounds on the **expression** or activity of the enzyme gene in clinical trials, and for constructing **recombinant** vectors.

EXAMPLE - No example given.(49 pages)

L19 ANSWER 6 OF 24 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
ACCESSION NUMBER: 2002-18766 BIOTECHDS
TITLE: New isolated matrix metalloprotease and modulating substances, useful for treating CNS diseases, respiratory diseases, inflammatory respiratory diseases, cancers and endometrial carcinomas;
vector-mediated **recombinant** protein gene

transfer and **expression** in host cell for use in cancer therapy

AUTHOR: DELANY N S; EDBROOKE M R
PATENT ASSIGNEE: GLAXO GROUP LTD
PATENT INFO: GB 2369363 29 May 2002
APPLICATION INFO: GB 2000-19929 17 Aug 2000
PRIORITY INFO: GB 2000-20345 17 Aug 2000
DOCUMENT TYPE: Patent
LANGUAGE: English
OTHER SOURCE: WPI: 2002-511267 [55]

AB DERWENT ABSTRACT:

NOVELTY - An isolated **human** matrix **metalloprotease** polypeptide (P1) referred to as HIPHUM35 in the disclosure, is new.

DETAILED DESCRIPTION - An isolated **human** **metalloprotease** polypeptide (P1) referred to as HIPHUM35 in the disclosure comprising: (i) a fully defined sequence (S2) of 569 amino acids; (ii) a variant comprising a catalytic domain capable of binding a **zinc** residue; (iii) a fragment of (i) or (ii) which comprises a catalytic domain capable of binding a **zinc** residue, is new. INDEPENDENT CLAIMS are also included for the following: (1) a polynucleotide encoding P1; (2) a polynucleotide encoding a matrix metalloprotease polypeptide which comprises a catalytic domain capable of binding a **zinc** residue where the polynucleotide comprises: (a) a fully defined sequence (S1) comprising 1707 nucleotides as given in the specification and/or a complementary sequence; (b) a sequence which hybridizes under stringent conditions to a sequence as defined in (a); and (c) a sequence that is degenerate as a result of the genetic code to a sequence as defined in (a) or (b), or d) a sequence having at least 65% identity to a sequence as defined in (a), (b) or (c); (3) an **expression** vector comprising a polynucleotide of claims (1) or (2); (4) a host cell comprising an **expression** vector of claim (3); (5) an antibody specific for a polypeptide (P1); (6) identification (M1) of a substance that modulates matrix metalloprotease activity and/or **expression**, comprising: (a) contacting a test substance and P1, a polynucleotide of (2), and **expression** vector of (3) or a host cell of (4); and (b) determining the effect of the test substance on the activity and/or **expression** of the polypeptide or the polypeptide encoded by the polynucleotide, to determine whether the test substance modulates matrix metalloprotease activity and/or **expression**; (7) a substance which modulates matrix metalloprotease activity and which is identifiable by M1; and (8) producing (M2) P1 by maintaining a host cell of (4) under conditions suitable for obtaining **expression** of the polypeptide and then isolating the polypeptide.

BIOTECHNOLOGY - Preferred Polypeptide: The variant has at least 80% identity to S2. Preferred polynucleotide: The polynucleotide is a cDNA sequence. Preferred Method: In M1, the polypeptide is in a substantially isolated form.

ACTIVITY - Respiratory active; Antiinflammatory; Neuroprotective; Cytostatic.

MECHANISM OF ACTION - Modulator of matrix metalloprotease. No supporting data is given in the source material.

USE - A substance which modulates matrix metalloprotease activity and which is identifiable by method (M1) can be used to treat a subject having a disorder that is responsive to matrix metalloprotease modulation. This method of treatment comprises administering an effective amount of the substance (claimed). The disorders which can be treated include central nervous system (CNS) diseases such a parasupranuclear palsy (PSP), respiratory diseases such a chronic obstructive pulmonary disease (COPD), inflammatory respiratory diseases such as fibrotic diseases of the lung and cancers such as lung, colon, breast and endometrial carcinomas (DEC). The substance which modulates matrix metalloprotease activity can also be used in the manufacture of a medicine for treatment or prophylaxis of the above disorders.

ADMINISTRATION - The substances that modulate activity of the polypeptide (P1) can be administered by enteral or parenteral routes such as via oral, buccal, anal, pulmonary, intravenous, intra-arterial, intramuscular, intraperitoneal or topical routes. Typical dosage is from about 0.1 to 50 mg per kg body weight.

EXAMPLE - A matrix metalloprotease, designated as HIPHUM35 was identified and the nucleotide and amino acid sequences of the receptor were determined. Suitable primers and probes were designed and used to analyze tissue **expression**. HIPHUM35 was found to be **expressed** in adipose tissue, cerebellum, jejunum, lung, myometrium, omentum, prostate, small intestine and testis. **Expression** was upregulated in parasupranuclear palsy (PSP) brain, in chronic obstructive pulmonary disease (COPD) lung, vascular endothelial growth factor (VEGF) treated endothelial cells and peripheral blood mononuclear cells (PBMCs). **Expression** was downregulated in colon tumor, breast tumor and lung carcinoma. Original screens on normal and disease Taqman plates revealed significant profiles to link HIPHUM 35 with diseases including central nervous system (CNS) diseases such a parasupranuclear palsy (PSP), respiratory diseases such a chronic obstructive pulmonary disease (COPD), inflammatory respiratory diseases such as fibrotic diseases of the lung and cancers such as lung, colon, breast. HIPHUM 35 was found to be localized to chromosome 10q25-q26. This locus has been associated with the occurrence of cancers. (36 pages)

L19 ANSWER 7 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:276132 HCAPLUS
DOCUMENT NUMBER: 136:306020
TITLE: Protein and cDNA sequences of novel **human** **zinc metalloprotease** sequence homologs
INVENTOR(S): Walke, D. Wade; Scoville, John
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
SOURCE: PCT Int. Appl., 55 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002029026	A2	20020411	WO 2001-US30806	20011002
WO 2002029026	A3	20030116		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002011347	A5	20020415	AU 2002-11347	20011002
US 2002102683	A1	20020801	US 2001-969515	20011002
EP 1328623	A2	20030723	EP 2001-979376	20011002
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.: US 2000-237540P P 20001004
WO 2001-US30806 W 20011002

AB The invention provides protein and cDNA sequences of five novel human proteins, which share structural similarity with animal proteases and particularly **zinc** metalloproteases. The cDNA sequences and corresponding deduced amino acid sequences of the **zinc** metalloprotease sequence homologs were obtained from human cDNA libraries

using probes and/or primers generated from human genomic sequence. The gene encoding the described **zinc** metalloprotease sequence homologs is apparently present on human chromosome 5. The **zinc** metalloprotease sequence homolog genes are **expressed** in, inter alia, human cell lines, and human fetal brain, brain, pituitary, kidney, fetal liver, liver, prostate, testis, thyroid, adrenal gland,salivary gland, stomach, small intestine, colon, skeletalmuscle, heart, placenta, mammary gland, adipose, esophagus,trachea, cervix, rectum, pericardium, hypothalamus, ovary,fetal kidney, and fetal lung cells. Accordingly, the described are useful for identifyingthe corresponding coding region(s) of the human genome and for biol. identifying exon splice junctions. Several polymorphisms were identified including a G/C polymorphism in **zinc** metalloprotease sequence homolog genes.

L19 ANSWER 8 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:157954 HCAPLUS
DOCUMENT NUMBER: 136:211922
TITLE: Protein and cDNA sequences of **human** **zinc metalloprotease** sequence homologs and uses thereof in diagnosis, therapy and drug screening
INVENTOR(S): Walke, Wade D.; Hilbun, Erin; Scoville, John; Friddle, Carl Johan; Hu, Yi; Turner, Alexander C., Jr.
PATENT ASSIGNEE(S): Lexicon Genetics Incorporated, USA
SOURCE: PCT Int. Appl., 81 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002016564	A2	20020228	WO 2001-US26148	20010822
WO 2002016564	A3	20020725		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2001088339	A5	20020304	AU 2001-88339	20010822
US 2002115838	A1	20020822	US 2001-938330	20010822
EP 1311690	A2	20030521	EP 2001-968061	20010822
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				

PRIORITY APPLN. INFO.:
US 2000-227104P P 20000822
US 2000-233796P P 20000919
WO 2001-US26148 W 20010822

AB This invention provides protein and cDNA sequences for newly identified human proteins, designated NHPs, which shares substantial sequence homol. with animal proteases, and particularly **zinc** metalloproteases. While NHP shares sequence homol. with other **zinc** metalloproteases, its primary sequence is unique. **Expression** of NHPs can be detected in, inter alia, human cell lines, and human spinal cord, lymph node, bone marrow, trachea, mammary gland, skeletal muscle, pericardium, adipose, esophagus, bladder, fetal kidney, and fetal lung cells (SEQ ID NOS:1-23), and the NHP sequences identified in SEQ ID NOS: 24-26 may be predominantly **expressed** in heart, fetal kidney and fetal lung. In one embodiment, the invention relates to diagnostic assays for detecting diseases associated with inappropriate NHP activity or levels.

Also disclosed are methods for utilizing NHP in drug screening assays and in therapy directed against diseases associated with inappropriate NHP activity or levels.

L19 ANSWER 9 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:466628 HCAPLUS
DOCUMENT NUMBER: 137:29825
TITLE: **Cloning**, characterization, **expression** and therapeutic use of a novel **human** matrix **metalloprotease**
INVENTOR(S): Delany, Natalie Samantha; Edbrooke, Mark Robert
PATENT ASSIGNEE(S): UK
SOURCE: U.S. Pat. Appl. Publ., 16 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2002076800	A1	20020620	US 2001-931147	20010816
GB 2369363	A1	20020529	GB 2001-19929	20010815

PRIORITY APPLN. INFO.: GB 2000-20345 A 20000817
AB A novel matrix metalloprotease, referred to herein as HIPHUM35, is now provided. HIPHUM35 is shown to be primarily **expressed** in adipose tissue, cerebellum, jejunum, lung, myometrium, omentum, prostate, small intestine and testis. **Expression** is upregulated in parasupranuclear palsy (PSP) brain, in chronic obstructive pulmonary disease (COPD) lung, VEGF treated endothelial cells and peripheral blood mononuclear cells (PBMCs). **Expression** is downregulated in colon tumor, breast tumor and lung carcinoma. The novel matrix metalloprotease is a screening target for the identification and development of novel pharmaceutical agents, including modulators of matrix metalloprotease activity. These agents may be used in the treatment and/or prophylaxis of CNS diseases such as parasupranuclear palsy (PSP), respiratory diseases such as chronic obstructive pulmonary disease (COPD), inflammatory respiratory diseases such as fibrotic diseases of the lung and cancers such as lung, colon, breast and endometrial carcinomas (DEC). The nucleotide sequence and the encoded amino acid sequences of the human HIPHUM35 are disclosed. The HIPHUM35 variant which comprises a catalytic domain capable of binding a **zinc** residue or the HIPHUM35 fragment which comprises a catalytic domain capable of binding a **zinc** residue are also provided.

L19 ANSWER 10 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2003:958415 HCAPLUS
DOCUMENT NUMBER: 140:265646
TITLE: Human 41.25-kDa **zinc** metalloprotease sequence homolog and its cDNA and therapeutic use
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 31 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1386855	A	20021225	CN 2001-112913	20010517

PRIORITY APPLN. INFO.: CN 2001-112913 20010517
AB The invention provides protein and cDNA sequences for a novel human

41.25-kDa **zinc** metalloprotease sequence homolog **cloned** from human fetal brain. Methods of **expressing** and preparing the above **recombinant** protein and its antibody are described. The invention further relates to applications of related gene or protein products for the treatment of related diseases, such as cancer, blood diseases, HIV infection, immune diseases and inflammation. Methods of screening for related analogs, agonists, inhibitors, and antagonists and using them as therapeutic drugs are also described.

L19 ANSWER 11 OF 24 MEDLINE on STN
ACCESSION NUMBER: 2002284344 MEDLINE
DOCUMENT NUMBER: PubMed ID: 12025971
TITLE: ACEH/ACE2 is a novel mammalian metallocarboxypeptidase and a homologue of angiotensin-converting enzyme insensitive to ACE inhibitors.
AUTHOR: Turner Anthony J; Tipnis Sarah R; Guy Jodie L; Rice Gillian; Hooper Nigel M
CORPORATE SOURCE: Proteolysis Research Group, School of Biochemistry and Molecular Biology, University of Leeds, UK.. a.j.turner@leeds.ac.uk
SOURCE: Canadian journal of physiology and pharmacology, (2002 Apr) 80 (4) 346-53. Ref: 50
Journal code: 0372712. ISSN: 0008-4212.
PUB. COUNTRY: Canada
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
General Review; (REVIEW)
(REVIEW, TUTORIAL)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 200212
ENTRY DATE: Entered STN: 20020528
Last Updated on STN: 20021217
Entered Medline: 20021204

AB A **human zinc metalloprotease** (termed ACEH or ACE2) with considerable homology to angiotensin-converting enzyme (ACE) (EC 3.4.15.1) has been identified and subsequently **cloned** and functionally **expressed**. The translated protein contains an N-terminal signal sequence, a single catalytic domain with **zinc** -binding motif (HEMGH), a transmembrane region, and a small C-terminal cytosolic domain. Unlike somatic ACE, ACEH functions as a carboxypeptidase when acting on angiotensin I and angiotensin II or other peptide substrates. ACEH may function in conjunction with ACE and neprilysin in novel pathways of angiotensin metabolism of physiological significance. In contrast with ACE, ACEH does not hydrolyse bradykinin and is not inhibited by typical ACE inhibitors. ACEH is unique among mammalian carboxypeptidases in containing an HEXXH **zinc** motif but, in this respect, resembles a bacterial enzyme, Thermus aquaticus (Taq) carboxypeptidase (EC 3.4.17.19). Collectrin, a developmentally regulated renal protein, is homologous with the C-terminal region of ACEH but has no similarity with ACE and no catalytic domain. Thus, the ACEH protein may have evolved as a chimera of a single ACE-like domain and a collectrin domain. The collectrin domain may regulate tissue response to injury whereas the catalytic domain is involved in peptide processing events.

L19 ANSWER 12 OF 24 MEDLINE on STN
ACCESSION NUMBER: 2002087380 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11814695
TITLE: Identification and characterization of novel mouse and **human** ADAM33s with potential **metalloprotease** activity.
AUTHOR: Yoshinaka Tsuyoshi; Nishii Kazuhiro; Yamada Kouji; Sawada Hirohide; Nishiwaki Eiji; Smith Katherine; Yoshino Kohichiro; Ishiguro Hiroshi; Higashiyama Shigeki

CORPORATE SOURCE: R&D Laboratories, Nippon Organon K.K., 1-5-90 Tomobuchi-cho, Miyakojima, Osaka 534-0016, Japan.
CONTRACT NUMBER: HD26402 (NICHD)
SOURCE: Gene, (2002 Jan 9) 282 (1-2) 227-36. Journal code: 7706761. ISSN: 0378-1119.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AB055891; GENBANK-AB059632; GENBANK-AB059633
ENTRY MONTH: 200203
ENTRY DATE: Entered STN: 20020130
Last Updated on STN: 20020403
Entered Medline: 20020328

AB The ADAM family of membrane-anchored proteins has a unique domain structure, with each containing a disintegrin and metalloprotease (ADAM) domain. We have isolated mouse and human cDNAs encoding a novel member of the ADAM family. The mouse and human predicted proteins consisted of 797 and 813 amino acids, respectively, and they shared 70% homology of the entire amino acid sequence. The mouse ADAM gene exists at a single gene locus. The human gene was ubiquitously **expressed** in tissues other than liver, was mapped to human chromosome 20p13, and was found to consist of 22 exons. Both proteins have domain organization identical to that of previously reported members of the ADAM family, and contain the typical **zinc**-binding consensus sequence (HEXGHXXGXXHD) in their metalloprotease domain and a pattern of cysteine localization (C(x)(3)C(x)(5)C(x)(5)CxC(x)(8)C) in their EGF-like domain that is typical of an EGF-like motif. The human protein shows homology with Xenopus ADAM13 (44%), human ADAM19 (40%), and human ADAM12 (39%). From the results of phylogenic analysis based on primary amino acid sequence and distribution of the mRNA, these novel ADAM genes were thus named ADAM33.

L19 ANSWER 13 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:115319 HCAPLUS
DOCUMENT NUMBER: 134:173907
TITLE: Proteins, nucleic acids, and antibodies for mammalian **zinc** metalloprotease subfamily members ADAMTS-5 through ADAMTS-10 and the related protein ADAMTS-R1
INVENTOR(S): Apte, Suneel S.; Hurskainen, Tiina L.; Hirohata, Satoshi
PATENT ASSIGNEE(S): Cleveland Clinic Foundation, USA
SOURCE: PCT Int. Appl., 181 pp. CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001011074	A2	20010215	WO 2000-US21223	20000803
WO 2001011074	C2	20020912		
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6391610	B1	20020521	US 1999-369364	19990806
AU 2000065160	A5	20010305	AU 2000-65160	20000803

US 2002110894 A1 20020815 US 2001-918171 20010730
PRIORITY APPLN. INFO.: US 1999-369364 A 19990806
WO 2000-US21223 W 20000803

AB This invention provides mammalian proteins in the ADAMTS subfamily (A Disintegrin-like And Metalloprotease domain with ThromboSpondin type I motifs) of **zinc** metalloproteases. The proteins are ADAMTS-5, ADAMTS-6, ADAMTS-7, ADAMTS-8, ADAMTS-9 and ADAMTS-10, collectively referred to as "ADAMTS-N". The invention also provides isolated polynucleotides which encode an ADAMTS-N protein or a variant thereof, polynucleotide sequences complementary to such polynucleotides, vectors containing such polynucleotides, and host cells transformed or transfected with such vectors. The invention relates to antibodies which are immunospecific for one or more of the ADAMTS-N proteins and provides oligopeptides for producing such antibodies. In addn, this invention provides a protein referred to as ADAMTS-R1 (ADAM-TS Related protein-1) and the polynucleotides which encode such protein. Proteins in the ADAMTS subfamily have consensus sequences for a **zinc** protease catalytic site, an N-terminal signal peptide for secretion, and a thrombospondin type motif for binding to extracellular or cell surface components, and lack transmembrane domains. Characterization of previously identified subfamily members ADAMTS-1 through ADAMTS-4 suggests that the ADAMTS proteins are involved in proteolysis of the extracellular matrix. MRNAs for proteins ADAMTS-5 through ADAMTS-10 and ADAMTS-R1 were detected in various tissues by Northern anal. and in situ hybridization.

L19 ANSWER 14 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2001:814071 HCAPLUS
DOCUMENT NUMBER: 135:354702
TITLE: **Cloning**, sequence and diagnostic and therapeutic use of **human metalloprotease** ADAMTS-M
INVENTOR(S): Buckbinder, Leonard; Mitchell, Peter G.; Wachtmann, Timothy S.; Walsh, Roderick T.
PATENT ASSIGNEE(S): Pfizer Products Inc., USA
SOURCE: Eur. Pat. Appl., 31 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1152055	A1	20011107	EP 2001-303706	20010424
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
US 2001049106	A1	20011206	US 2001-836712	20010417

PRIORITY APPLN. INFO.: US 2000-200040P P 20000427

AB The present invention relates to a member of the family of proteins known as ADAMTS proteins, the new member being designated ADAMTS-M. The authors have found the polynucleotide encoding the metalloprotease ADAMTS-M in cDNA prepared from the chondrocytes of osteoarthritic cartilage as well as in cDNA libraries from human liver. Amino acid and encoding cDNA sequences of human ADAMTS-M are disclosed. The ADAMTS-M sequence was found to contain a furin-cleavage site, metalloproteinase domain with **zinc**-binding motif, disintegrin domain, and two thrombospondin submotifs. The invention also relates to polynucleotides encoding ADAMTS-M, antibodies to ADAMTS-M, assays for studying the function of ADAMTS-M, assays for determining agonists or antagonists of ADAMTS-M, and to the use of ADAMTS-M polypeptides or polynucleotides in diagnostic, biotherapeutic, or gene therapy methods.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 15 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 2002:542328 HCAPLUS
DOCUMENT NUMBER: 137:74411
TITLE: Protein and cDNA sequences of human membrane-bound ATP-dependent **zinc** metalloprotease-like protein 10.45 and therapeutical uses
INVENTOR(S): Mao, Yumin; Xie, Yi
PATENT ASSIGNEE(S): Bode Gene Development Co., Ltd., Shanghai, Peop. Rep. China
SOURCE: Faming Zhuanli Shenqing Gongkai Shuomingshu, 33 pp.
CODEN: CNXXEV
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1327066	A	20011219	CN 2000-116334	20000605

PRIORITY APPLN. INFO.: CN 2000-116334 20000605
AB The invention provides the protein and cDNA sequences of a novel human membrane-bound ATP-dependent **zinc** metalloprotease-like protein 10.45 with the mol. weight of 10 kilodaltons **cloned** from human fetal brain. In particular, the invention discloses that the gene encoding this protein has a similar gene **expression** pattern with that of ftsH gene. The invention also relates to construction of membrane-bound ATP-dependent **zinc** metalloprotease-like protein 10.45 **expression** vector for preparation of **recombinant** protein using prokaryotes or eukaryotes. The invention relates to preparation of antibody against this protein. The invention further relates to the PCR primers, nucleic acid probes, DNA fragments and protein agonists or antagonists specific for this gene or gene product for the diagnosis as well as treatment of various diseases, such as growth and development disorders, Lipid metabolic disorders, etc.

L19 ANSWER 16 OF 24 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
ACCESSION NUMBER: 2001:245085 BIOSIS
DOCUMENT NUMBER: PREV200100245085
TITLE: Identification and characterisation of ACEH, a human homolog of angiotensin-converting enzyme.
AUTHOR(S): Tipnis, Sarah R. [Reprint author]; Hooper, Nigel M. [Reprint author]; Christie, Gary; Turner, Anthony J. [Reprint author]
CORPORATE SOURCE: School of Biochemistry and Molecular Biology, University of Leeds, Leeds, West Yorkshire, LS2 9JT, UK
SOURCE: FASEB Journal, (March 8, 2001) Vol. 15, No. 5, pp. A875. print.
Meeting Info.: Annual Meeting of the Federation of American Societies for Experimental Biology on Experimental Biology 2001. Orlando, Florida, USA. March 31-April 04, 2001.
CODEN: FAJOEC. ISSN: 0892-6638.
DOCUMENT TYPE: Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
LANGUAGE: English
ENTRY DATE: Entered STN: 23 May 2001
Last Updated on STN: 19 Feb 2002
AB A novel **human zinc metalloprotease** with considerable homology to angiotensin-converting enzyme (ACE) has been identified from an EST database. Following isolation of a partial **clone** from a cDNA library, the full length cDNA was deduced in conjunction with 3' and 5' RACE. The translated protein, termed ACEH, contains a **zinc** binding motif (HEMGH), an N-terminal signal sequence, a C-terminal transmembrane domain and has 7 potential N-linked

glycosylation sites. Unlike somatic ACE, it has only a single catalytic domain. **Expression** of a C-terminally truncated ACEH cDNA, lacking the transmembrane and cytosolic domains, in mammalian cells produces a protein of molecular mass 120kDa. Upon deglycosylation this mass is reduced to 85kDa. The **expressed** protein is able to hydrolyse angiotensin I and II, however it has a different action to ACE. It appears to act as a carboxypeptidase A-like enzyme and removes a single residue from the C-terminal of these substrates. In contrast to ACE, ACEH does not hydrolyse bradykinin and it does not appear to be inhibited by typical ACE inhibitors such as captopril, lisinopril and enalaprilat. The genomic sequence of ACEH has also been identified and is located on the X chromosome in position p22 and has many similarities to the ACE gene. Northern blotting analyses have shown that the mRNA encoding this protein is approximately 3.4kb and is most highly **expressed** in heart, kidney and testis. The precise requirements for substrate specificity and inhibitor binding are being defined.

L19 ANSWER 17 OF 24 MEDLINE on STN
ACCESSION NUMBER: 2001528350 MEDLINE
DOCUMENT NUMBER: PubMed ID: 11574066
TITLE: A novel **human metalloprotease** synthesized in the liver and secreted into the blood: possibly, the von Willebrand factor-cleaving protease?.
COMMENT: Erratum in: J Biochem (Tokyo) 2001 Nov;130(5):719
AUTHOR: Soejima K; Mimura N; Hirashima M; Maeda H; Hamamoto T; Nakagaki T; Nozaki C
CORPORATE SOURCE: First Research Departmen, The Chemo-Sero-Therapeutic Research Institute, Kumamoto 869-1298, Japan.. soejima@kaketsuken.or.jp
SOURCE: Journal of biochemistry, (2001 Oct) 130 (4) 475-80. Journal code: 0376600. ISSN: 0021-924X.
PUB. COUNTRY: Japan
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AB069698
ENTRY MONTH: 200201
ENTRY DATE: Entered STN: 20011001
Last Updated on STN: 20020226
Entered Medline: 20020130

AB We identified a novel metalloprotease, which could be responsible for cleaving the Tyr842-Met843 peptide bond of von Willebrand factor (vWF). This metalloprotease was purified from Cohn Fraction-I precipitate of human pooled plasma by the combination of gel filtration, DEAE chromatography, and preparative polyacrylamide gel electrophoresis in the presence of SDS. The NH2-terminal amino acid sequence of the isolated protein was: AAGGILHLELLVAVGPDVFQAHQEDTRRY. Based on this sequence, we searched human genomic and EST databases, and identified compatible nucleotide sequences. These results suggested that this protein is a novel metalloprotease, a member of the family of a disintegrin and metalloprotease with thrombospondin type-1 motifs (ADAMTS), and its genomic DNA was mapped to human chromosome 9q34. Multiple human tissue northern blotting analysis indicated that the mRNA encoding this protease spanned approximately 5 kilobases and was uniquely **expressed** in the liver. Furthermore, we determined the cDNA sequence encoding this protease, and found that this protease was comprised of a signal peptide, a proregion followed by the putative furin cleavage site, a reprolysin-type **zinc**-metalloprotease domain, a disintegrin-like domain, a thrombospondin type-1 (TSP1) motif, a cysteine-rich region, a spacer domain, and COOH-terminal TSP1 motif repeats.

L19 ANSWER 18 OF 24 MEDLINE on STN
ACCESSION NUMBER: 2001038192 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10924499

TITLE: A human homolog of angiotensin-converting enzyme. **Cloning** and functional **expression** as a captopril-insensitive carboxypeptidase.
AUTHOR: Tipnis S R; Hooper N M; Hyde R; Karran E; Christie G; Turner A J
CORPORATE SOURCE: Proteolysis Research Group, School of Biochemistry and Molecular Biology, University of Leeds, Leeds, United Kingdom.. s.r.tipnis@leeds.ac.uk
SOURCE: Journal of biological chemistry, (2000 Oct 27) 275 (43) 33238-43.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF241254
ENTRY MONTH: 200011
ENTRY DATE: Entered STN: 20010322
Last Updated on STN: 20010322
Entered Medline: 20001124

AB A novel **human zinc metalloprotease** that has considerable homology to human angiotensin-converting enzyme (ACE) (40% identity and 61% similarity) has been identified. This metalloprotease (angiotensin-converting enzyme homolog (ACEH)) contains a single HEXXH **zinc**-binding domain and conserves other critical residues typical of the ACE family. The predicted protein sequence consists of 805 amino acids, including a potential 17-amino acid N-terminal signal peptide sequence and a putative C-terminal membrane anchor. **Expression** in Chinese hamster ovary cells of a soluble, truncated form of ACEH, lacking the transmembrane and cytosolic domains, produces a glycoprotein of 120 kDa, which is able to cleave angiotensin I and angiotensin II but not bradykinin or Hip-His-Leu. In the hydrolysis of the angiotensins, ACEH functions exclusively as a carboxypeptidase. ACEH activity is inhibited by EDTA but not by classical ACE inhibitors such as captopril, lisinopril, or enalaprilat. Identification of the genomic sequence of ACEH has shown that the ACEH gene contains 18 exons, of which several have considerable size similarity with the first 17 exons of human ACE. The gene maps to chromosomal location Xp22. Northern blotting analysis has shown that the ACEH mRNA transcript is approximately 3. 4 kilobase pairs and is most highly **expressed** in testis, kidney, and heart. This is the first report of a mammalian homolog of ACE and has implications for our understanding of cardiovascular and renal function.

L19 ANSWER 19 OF 24 MEDLINE on STN
ACCESSION NUMBER: 1999395124 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10464288
TITLE: ADAM-TS5, ADAM-TS6, and ADAM-TS7, novel members of a new family of **zinc** metalloproteases. General features and genomic distribution of the ADAM-TS family.
AUTHOR: Hurskainen T L; Hirohata S; Seldin M F; Apte S S
CORPORATE SOURCE: Department of Biomedical Engineering, Lerner Research Institute, Cleveland Clinic Foundation, Cleveland, Ohio 44195, USA.
CONTRACT NUMBER: HG00734 (NHGRI)
SOURCE: Journal of biological chemistry, (1999 Sep 3) 274 (36) 25555-63.
Journal code: 2985121R. ISSN: 0021-9258.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF140673; GENBANK-AF140674; GENBANK-AF140675; GENBANK-AF141293
ENTRY MONTH: 199910

ENTRY DATE: Entered STN: 19991014
Last Updated on STN: 20000303
Entered Medline: 19991007

AB We report the primary structure of three novel, putative **zinc** metalloproteases designated ADAM-TS5, ADAM-TS6, and ADAM-TS7. All have a similar domain organization, comprising a preproregion, a reprolysin-type catalytic domain, a disintegrin-like domain, a thrombospondin type-1 (TS) module, a cysteine-rich domain, a spacer domain without cysteine residues, and a COOH-terminal TS module. These genes are differentially regulated during mouse embryogenesis and in adult tissues, with Adamts5 highly **expressed** in the peri-implantation period in embryo and trophoblast. These proteins are similar to four other cognate gene products, defining a distinct family of **human** reprolysin-like **metalloproteases**, the ADAM-TS family. The other members of the family are ADAM-TS1, an inflammation-induced gene, the procollagen I/II amino-propeptide processing enzyme (PCINP, ADAM-TS2), and proteins predicted by the KIAA0366 and KIAA0688 genes (ADAM-TS3 and ADAM-TS4). Individual ADAM-TS members differ in the number of COOH-terminal TS modules, and some have unique COOH-terminal domains. The ADAM-TS genes are dispersed in human and mouse genomes.

L19 ANSWER 20 OF 24 MEDLINE on STN
ACCESSION NUMBER: 1999287583 MEDLINE
DOCUMENT NUMBER: PubMed ID: 10360838
TITLE: **Cloning**, **expression**, and characterization of **human metalloprotease** 1: a novel member of the pitrilysin family of metalloendoproteases.
AUTHOR: Mzhavia N; Berman Y L; Qian Y; Yan L; Devi L A
CORPORATE SOURCE: Department of Pharmacology, New York University School of Medicine, NY 10016, USA.
CONTRACT NUMBER: DK 51271 (NIDDK)
NS 01788 (NINDS)
NS 26880 (NINDS)
+
SOURCE: DNA and cell biology, (1999 May) 18 (5) 369-80.
Journal code: 9004522. ISSN: 1044-5498.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-AF061243
ENTRY MONTH: 199907
ENTRY DATE: Entered STN: 19990714
Last Updated on STN: 20000303
Entered Medline: 19990701

AB A novel cDNA, designated human metalloendoprotease 1 (hMP1), was identified on the basis of homology to known metalloendoproteases of the pitrilysin family. The full-length MP1 codes for a protein with an open reading frame of 1038 amino acids. The N-terminal region contains the HXXEH(X)76E catalytic domain that is conserved in the members of pitrilysin family, namely insulin-degrading enzyme and NRD convertase. The hMP1 mRNA is **expressed** in a number of cell lines and tissues as a single species of about 3.4 kb. The **expression** of hMP1 mRNA is higher in muscle and heart than in brain, pancreas, liver, lung, and placenta. The full-length hMP1 was **expressed** in the baculovirus system and purified to homogeneity using isoelectrofocusing and ion-exchange chromatography. The enzyme exhibited a neutral pH optimum and high sensitivity to thiol reagents. HMP1 was inactivated by 1,10-phenanthroline, a specific inhibitor of **Zn**(+2)-dependent metalloproteases. The enzyme was not inhibited by agents that inhibit neutral metalloendoproteases of the thermolysin family such as thimet endo-oligopeptidase, enkephalinase, or angiotensin-converting enzyme. HMP1 cleaved a prodynorphin-derived peptide, leumorphin, N-terminal to Arg

in the monobasic processing site, as evidenced by MALDI-TOF mass spectrometry. However, the enzyme did not exhibit strict monobasic cleavage specificity, as peptide substrates with amino acid substitutions around the monobasic site was cleaved efficiently by hMP1. Taken together, these results suggest that hMP1 is a novel member of the metalloendoprotease superfamily with ubiquitous distribution that could play a broad role in general cellular regulation.

L19 ANSWER 21 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1998:52641 HCAPLUS
DOCUMENT NUMBER: 128:189023
TITLE: Complementation **cloning** of S2P, a gene encoding a putative metalloprotease required for intramembrane cleavage of SREBPs
AUTHOR(S): Rawson, Robert B.; Zelenski, Nikolai G.; Nijhawan, Deepak; Ye, Jin; Sakai, Juro; Hasan, Mazahir T.; Chang, T. Y.; Brown, Michael S.; Goldstein, Joseph L.
CORPORATE SOURCE: Dep. Mol. Genet., Univ. Texas Southwest. Med. Cent., Dallas, TX, 75235, USA
SOURCE: Molecular Cell (1997), 1(1), 47-57
CODEN: MOCEFL
PUBLISHER: Cell Press
DOCUMENT TYPE: Journal
LANGUAGE: English
AB We report the **cloning** of a gene, S2P, that encodes a putative metalloprotease required for intramembrane proteolysis of sterol-regulatory element-binding proteins (SREBPs) at Site-2. SREBPs are membrane-bound transcription factors that activate genes regulating cholesterol metabolism The active NH2-terminal domains of SREBPS are released from membranes by sequential cleavage at two sites: Site-1, within the lumen of the endoplasmic reticulum; and Site-2, within a transmembrane segment. The human S2P gene was **cloned** by complementation of mutant CHO cells that cannot cleave SREBPs at Site-2 and are cholesterol auxotrophs. S2P defines a new family of polytopic membrane proteins that contain an HEXXH sequence characteristic of **zinc** metalloproteases. Mutation of the putative **zinc**-binding residues abolishes S2P activity. S2P encodes an unusual metalloprotease that cleaves proteins within transmembrane segments.
REFERENCE COUNT: 47 THERE ARE 47 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L19 ANSWER 22 OF 24 MEDLINE on STN
ACCESSION NUMBER: 97045170 MEDLINE
DOCUMENT NUMBER: PubMed ID: 8890235
TITLE: Activation of a 66-kilodalton **human** endothelial cell matrix **metalloprotease** by Streptococcus pyogenes extracellular cysteine protease.
AUTHOR: Burns E H Jr; Marciel A M; Musser J M
CORPORATE SOURCE: Section of Molecular Pathobiology, Department of Pathology, Baylor College of Medicine, Houston, Texas 77030, USA.
CONTRACT NUMBER: AI-33119 (NIAID)
SOURCE: Infection and immunity, (1996 Nov) 64 (11) 4744-50.
Journal code: 0246127. ISSN: 0019-9567.
PUB. COUNTRY: United States
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
ENTRY MONTH: 199701
ENTRY DATE: Entered STN: 19970128
Last Updated on STN: 20000303
Entered Medline: 19970106
AB Human umbilical vein endothelial cells (HUVECs) were used to gain insight into the molecular mechanism whereby the major extracellular protease from group A streptococci damages host tissue. HUVECs exposed to streptococcal

cysteine protease (SCP) for various times exhibited cytopathic effect and cell detachment from the culture vessel. Gelatin substrate zymography showed that a time- and concentration-dependent increase in the level of activity of an approximately 66-kDa gelatinase occurred in culture medium taken from cells exposed to enzymatically active SCP. This gelatinase comigrated in gelatin zymograms with the activated form of purified **recombinant** matrix metalloprotease 2 (MMP-2) and had type IV collagenase activity. In contrast, medium taken from cells exposed to inactivated (boiled) SCP and cells exposed to SCP inhibited by treatment with N-benzyloxycarbonyl-leucyl-valyl-glycine diazomethyl ketone lacked the 66-kDa gelatinase. Appearance of the 66-kDa gelatinase activity was also prevented by 1,10-phenanthroline, a **zinc** chelator and MMP inhibitor. Inasmuch as proteolytically active SCP is required for the emergence of this gelatinase and MMP activation occurs by proteolytic processing, the 66-kDa gelatinase may be a proteolytic cleavage product of a latent MMP **expressed** extracellularly by HUVECs. Direct SCP treatment of culture supernatant taken from HUVECs not exposed to SCP also produced the 66-kDa gelatinase. The data show that SCP activates an MMP produced by human endothelial cells, a process that may contribute to endothelial cell damage, tissue destruction, and hemodynamic derangement observed in some patients with severe, invasive group A streptococcal infection.

L19 ANSWER 23 OF 24 MEDLINE on STN
ACCESSION NUMBER: 95104423 MEDLINE
DOCUMENT NUMBER: PubMed ID: 7805846
TITLE: Molecular characterization of human and bovine endothelin converting enzyme (ECE-1).
AUTHOR: Schmidt M; Kroger B; Jacob E; Seulberger H; Subkowski T; Otter R; Meyer T; Schmalzing G; Hillen H
CORPORATE SOURCE: Department of Pharmaceutical Research, BASF Aktiengesellschaft, Ludwigshafen, Germany.
SOURCE: FEBS letters, (1994 Dec 19) 356 (2-3) 238-43. Journal code: 0155157. ISSN: 0014-5793.
PUB. COUNTRY: Netherlands
DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)
LANGUAGE: English
FILE SEGMENT: Priority Journals
OTHER SOURCE: GENBANK-Z35306; GENBANK-Z35307
ENTRY MONTH: 199501
ENTRY DATE: Entered STN: 19950215
Last Updated on STN: 20000303
Entered Medline: 19950127

AB A membrane-bound protease activity that specifically converts Big endothelin-1 has been purified from bovine endothelial cells (FBHE). The enzyme was cleaved with trypsin and the peptide sequencing analysis confirmed it to be a **zinc** chelating metalloprotease containing the typical HEXXH (HELTH) motif. RT-PCR and cDNA screens were employed to isolate the complete cDNAs of the bovine and human enzymes. This **human metalloprotease** was **expressed** heterologously in cell culture and oocytes. The catalytic activity of the **recombinant** enzyme is the same as that determined for the natural enzyme. The data suggest that the characterized enzyme represents the functional human endothelin converting enzyme ECE-1.

L19 ANSWER 24 OF 24 HCAPLUS COPYRIGHT 2004 ACS on STN
ACCESSION NUMBER: 1992:79258 HCAPLUS
DOCUMENT NUMBER: 116:79258
TITLE: Transition-state structural features for the association of metalloproteases with phosphorus-containing inhibitors
AUTHOR(S): Izquierdo-Martin, Maria; Stein, Ross L.
CORPORATE SOURCE: Dep. Enzymol., Merck, Sharp, and Dohem Res. Lab., Rahway, NJ, 07065, USA

SOURCE: Journal of the American Chemical Society (1992), 114(4), 1527-8
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Solvent deuterium isotope effects (**expressed** as the ratio kH2O/kD2O and abbreviated as Dk) were determined for the slow-binding inhibition of the bacterial metalloprotease thermolysin by phosphoramidon (I) and the **human metalloprotease** stromelysin by the peptide phosphonamidate, phthalimido-(CH4)4-P(O)(O-)-Ile-Nal-NH-CH3 (II; Nal = L-3-(1-naphthyl)-alanine). For the interaction of thermolysin and I, Dkon is 1.74 and is characterized by a dome-shaped proton inventory (the dependence of kon on mole fraction solvent deuterium). The proton inventory suggests that the observed isotope effect originates from a transition state term contributing an isotope effect at a single protonic site of 2.4 that is offset by a reactant state term contributing an isotope effect of 0.73. Similarly, for the interaction of stromelysin and II, Dkon is 1.5. The magnitude of the transition state contributions for these 2 processes suggests that kon is rate-limited by a process that involves general-acid/general-base catalysis. It is proposed that kon is rate-limited by general-acid catalyzed ligand exchange of inhibitor for the **zinc**-bound water mol.

=> d his

(FILE 'HOME' ENTERED AT 10:03:36 ON 16 JUL 2004)

FILE 'MEDLINE, EMBASE, BIOSIS, BIOTECHDS, SCISEARCH, HCAPLUS, NTIS, LIFESCI' ENTERED AT 10:04:01 ON 16 JUL 2004

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L1         18587 S METALLOPROTEASE?
L2           343 S HUMAN(3W) L1
L3       6609293 S CLON? OR EXPRESS? OR RECOMBINANT
L4           219 S L2 AND L3
L5       1737703 S LUNG OR AMYGDALA OR ADRENAL(A)GLAND
L6        725325 S HIPPOCAMPUS OR FETUS
L7       2405398 S L5 OR L6
L8            34 S L4 AND L7
L9            21 DUP REM L8 (13 DUPLICATES REMOVED)
L10          117 DUP REM L4 (102 DUPLICATES REMOVED)
                 E WEI M/AU
L11         1114 S E3-E10
                 E YAN C/AU
L12         1023 S E3
                 E DIFRANCESCO V/AU
L13          112 S E3-E4
                 E BEASLEY E M/AU
L14          298 S E3
L15         2480 S L10 OR L11 OR L12 OR L13 OR L14
L16          117 S L4 AND L15
L17      1133713 S ZINC OR "ZN"
L18           24 S L16 AND L17
L19           24 DUP REM L18 (0 DUPLICATES REMOVED)
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	Issue Date	Pages	Document ID	Title
1	20040624	22	US 20040123346 A1	Basement membrane degrading proteases as insect toxins and methods of use for same
2	20040527	84	US 20040101874 A1	Targets for therapeutic intervention identified in the mitochondrial proteome
3	20040318	207	US 20040053824 A1	Extracellular matrix and cell adhesion molecules
4	20040318	287	US 20040053245 A1	Novel nucleic acids and polypeptides
5	20040226	259	US 20040038207 A1	Gene expression in bladder tumors
6	20040212	212	US 20040029220 A1	Novel proteins and nucleic acids encoding same
7	20040205	71	US 20040023231 A1	System for identifying and analyzing expression of are-containing genes
8	20040129	113	US 20040018561 A1	Peptide compounds and their use as protease substrates
9	20040122	146	US 20040014040 A1	Cardiotoxin molecular toxicology modeling
10	20040115	289	US 20040009488 A1	Nucleic acids, proteins, and antibodies

	Issue Date	Pages	Document ID	Title
11	20040108	262	US 20040005575 A1	Nucleic acids, proteins, and antibodies
12	20040108	345	US 20040005563 A1	Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer
13	20040108	165	US 20040005560 A1	Novel full-length cDNA
14	20040108	64	US 20040005559 A1	Markers of neuronal differentiation and morphogenesis
15	20040101	106	US 20040002067 A1	Breast cancer progression signatures
16	20040101	85	US 20040001803 A1	Effectors of innate immunity determination
17	20031225	196	US 20030235829 A1	Nucleic acids, proteins, and antibodies
18	20031211	16	US 20030228676 A1	Aggrecanase molecules
19	20031211	206	US 20030228570 A1	Methods of diagnosis of Hepatitis C infection, compositions and methods of screening for modulators of Hepatitis C infection

	Issue Date	Pages	Document ID	Title
20	20031204	320	US 20030225009 A1	28 human secreted proteins
21	20031204	180	US 20030224461 A1	Nucleic acids, proteins, and antibodies
22	20031127	37	US 20030219402 A1	Chimeric molecules for cleavage in a treated host
23	20031023	299	US 20030199440 A1	Composition for the treatment of damaged tissue
24	20031023	36	US 20030198972 A1	Grading of breast cancer
25	20031009	42	US 20030190640 A1	Genes expressed in prostate cancer
26	20031009		US 20030190312 A1	Eukaryotic genes involved in adult lifespan regulation
27	20030904		US 20030166899 A1	ADAMTS polypeptides, nucleic acids encoding them, and uses thereof
28	20030904		US 20030165954 A1	Cancer profiles
29	20030703	64	US 20030124579 A1	Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer

	Issue Date	Pages	Document ID	Title
30	20030619		US 20030113343 A1	Identification and characterization of novel pneumococcal choline binding protein, CbpG, and diagnostic and therapeutic uses thereof
31	20030522		US 20030096322 A1	System for cell-based screening
32	20030508		US 20030086937 A1	Identification and molecular characterization of proteins, expressed in the Ixodes ricinus salivary glands
33	20030501		US 20030083244 A1	Novel proteins and nucleic acids encoding same
34	20030417	179	US 20030073888 A1	Screening methods used to identify compounds that modulate a response of a cell to ultraviolet radiation exposure
35	20030417	111	US 20030073622 A1	Novel proteins and nucleic acids encoding same
36	20030417		US 20030073116 A1	ADAMTS13 genes and proteins and variants, and uses thereof
37	20030327		US 20030059908 A1	Nucleic acids, proteins, and antibodies
38	20030306	202	US 20030044783 A1	Human genes and gene expression products

	Issue Date	Pages	Document ID	Title
39	20030227	122	US 20030040089 A1	Protein-protein interactions in adipocyte cells
40	20030220	281	US 20030037350 A1	Novel nucleic acid sequences encoding a human ubiquitin protease, lipase, dynamin, short chain dehydrogenase, and ADAM-TS metalloprotease and uses therefor
41	20030123	71	US 20030017572 A1	56294 and 56629, novel human metalloproteases and uses thereof
42	20021107		US 20020165137 A1	Nucleic acids, proteins, and antibodies
43	20021031		US 20020160433 A1	E. coli O157:H7 C1 esterase inhibitor-binding protein and methods of use
44	20021024		US 20020155119 A1	Isolation and use of fetal urogenital sinus expressed sequences
45	20021010		US 20020147140 A1	Nucleic acids, proteins, and antibodies

	Issue Date	Pages	Document ID	Title
46	20020912		US 20020127235 A1	Identification and molecular characterization of proteins, expressed in the Ixodes ricinus salivary glands
47	20020808	48	US 20020107361 A1	Novel metalloproteases having thrombospondin domains and nucleic acid compositions encoding the same
48	20020711		US 20020091072 A1	Endothelin converting enzymes and the amyloid beta peptide
49	20020711		US 20020090672 A1	Nucleic acids, proteins, and antibodies
50	20020711	128	US 20020090624 A1	Gene markers useful for detecting skin damage in response to ultraviolet radiation
51	20020711		US 20020090373 A1	ADAMTS polypeptides, nucleic acids encoding them, and uses thereof
52	20020620	55	US 20020076778 A1	33428, a novel human metalloprotease family member and uses thereof
53	20020613	67	US 20020072490 A1	33428, a novel human metalloprotease family member and uses thereof
54	20020523		US 20020061521 A1	Nucleic acids, proteins, and antibodies
55	20020411		US 20020041881 A1	IDENTIFICATION AND CHARACTERIZATION OF NOVEL PNEUMOCOCCAL CHOLINE BINDING PROTEIN, CBPG, AND DIAGNOSTIC AND THERAPEUTIC USES THEREOF

	Issue Date	Pages	Document ID	Title
56	20011206		US 20010049106 A1	ADAMTS polypeptides, nucleic acids encoding them, and uses thereof
57	20040629		US 6756207 B1	System for cell-based screening
58	20040316	434	US 6706867 B1	DNA array sequence selection
59	20040302		US 6699681 B2	Endothelin converting enzymes and the amyloid .beta. peptide
60	20031118		US 6649589 B1	Use of certain drugs for treating nerve root injury
61	20030520	58	US 6566130 B1	Androgen-regulated gene expressed in prostate tissue

	Issue Date	Pages	Document ID	Title
62	20021217		US 6495139 B2	Identification and characterization of novel pneumococcal choline binding protein, CBPG, and diagnostic and therapeutic uses thereof
63	20020709		US 6416959 B1	System for cell-based screening
64	20020101	227	US 6335170 B1	Gene expression in bladder tumors
65	20011218	87	US 6331396 B1	Arrays for identifying agents which mimic or inhibit the activity of interferons
66	20011127	93	US 6322962 B1	Sterol-regulated Site-1 protease and assays of modulators thereof
67	20010703		US 6255064 B1	Disintegrin metalloprotease and its use
68	20010529		US 6239264 B1	Genomic DNA sequences of ashbya gossypii and uses thereof

	Issue Date	Pages	Document ID	Title
69	20000215	62	US 6025194 A	Nucleic acid sequence of senescence asssociated gene

	Issue Date	Pages	Document ID	Title
1	20040527	84	US 20040101874 A1	Targets for therapeutic intervention identified in the mitochondrial proteome
2	20040108	345	US 20040005563 A1	Methods of diagnosis of ovarian cancer, compositions and methods of screening for modulators of ovarian cancer
3	20040101	106	US 20040002067 A1	Breast cancer progression signatures
4	20031211	206	US 20030228570 A1	Methods of diagnosis of Hepatitis C infection, compositions and methods of screening for modulators of Hepatitis C infection
5	20031118	10	US 6649589 B1	Use of certain drugs for treating nerve root injury
6	20030520	58	US 6566130 B1	Androgen-regulated gene expressed in prostate tissue

	Issue Date	Pages	Document ID	Title
1	20040624	22	US 20040123346 A1	Basement membrane degrading proteases as insect toxins and methods of use for same
2	20040513	115	US 20040091962 A1	Proteases
3	20040422	108	US 20040077048 A1	Protein modification and maintenance molecules
4	20040318	207	US 20040053824 A1	Extracellular matrix and cell adhesion molecules
5	20040318	105	US 20040053269 A1	Proteases
6	20040212	106	US 20040029249 A1	Proteases
7	20040205	118	US 20040023243 A1	Proteases
8	20031218	121	US 20030232349 A1	Proteases

	Issue Date	Pages	Document ID	Title
9	20031204	320	US 20030225009 A1	28 human secreted proteins
10	20031120	64	US 20030215820 A1	Regulators of type-1tumor necrosis factor receptor and other cytokine receptor shedding
11	20031023	58	US 20030199569 A1	Pyrrolidine derivatives
12	20031023	299	US 20030199440 A1	Composition for the treatment of damaged tissue
13	20030710	52	US 20030129700 A1	Isolated human zinc metalloprotease, nucleic acid molecules encoding said enzymes, and uses thereof
14	20030417	42	US 20030073217 A1	Multifunctional protease inhibitors and their use in treatment of disease
15	20020509	21	US 20020055632 A1	Pyrrolidine derivatives
16	20020425	60	US 20020049243 A1	Pyrrolidine derivatives
17	20020404	57	US 20020040146 A1	Pyrrolidine derivatives
18	20020404	35	US 20020040048 A1	PYRROLIDINE COMPOUNDS

	Issue Date	Pages	Document ID	Title
19	20031216	48	US 6664093 B2	Isolated human zinc metalloprotease proteins
20	20031209	18	US 6660738 B2	Pyrrolidine derivatives
21	20030401	53	US 6541638 B2	Pyrrolidine derivatives
22	20021119		US 6482629 B1	Isolated human zinc metalloproteases, nucleic acids molecules encoding said enzymes, and uses thereof
23	20020903		US 6444829 B1	Pyrrolidine compounds
24	20011127	93	US 6322962 B1	Sterol-regulated Site-1 protease and assays of modulators thereof

	Issue Date	Pages	Document ID	Title
25	20010828		US 6281345 B1	Parasite astacin metalloendopeptidase nucleic acid molecules and uses thereof
26	20000919		US 6121272 A	Bidentate metalloprotease inhibitors

	L #	Hits	Search Text
1	L1	1	6500655.pn.
2	L2	214497	"95%"
3	L3	1	l1 and l2
4	L4	3182	metalloprotease$2
5	L5	258203	zinc or "Zn"
6	L6	827	l4 same l5
7	L7	422500	human
8	L8	208	l6 same l7
9	L9	642986	clon$3 or express$3 or recombinant
10	L10	69	l8 same l9
11	L11	67799	lung or amygdala or (adrenal adj gland$2)
12	L12	12550	hippocampus or fetus
13	L13	74793	l11 or l12

	L #	Hits	Search Text
14	L14	6	l10 same l13
15	L15	31751	WEI DIFRANCESCO BEASLEY YAN
16	L16	26	l8 and l15